SONY

HD CAMERA REMOTE CONTROL PANEL

HDCR-350

HDVS

MAINTENANCE MANUAL

1st Edition (Revised 1)

Serial No. 10001 and Higher

SAFETY RELATED COMPONENT WARNING

Components identified by shading and ⚠ marked on the schematic diagrams and parts list are critical to safe operation. Replace these components with SONY parts whose part numbers appear as shown in this manual or in supplements published by SONY.

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目次
TABLE OF CONTENTS

1. 設置

1-1. 開梱と再梱包 ..... 1-1 (J)
1-2. 標準付属品 ..... 1-2 (J)
1-3. 適合コネクター/ケーブル ..... 1-3 (J)
1-3-1. コネクターの入出力信号 ..... 1-3 (J)
1-3-2. 接続コネクター ..... 1-4 (J)
1-3-3. ケーブルの結線 ..... 1-4 (J)
1-4. 設置 ..... 1-5 (J)
1-4-1. 設置環境 ..... 1-5 (J)
1-4-2. 19インチコンソールへの取り付け方法 ..... 1-5 (J)
1-4-3. 外形寸法 (単位 mm) ..... 1-6 (J)
1-5. 基板内スイッチの機能 ..... 1-7 (J)
1-6. システム接続 ..... 1-8 (J)

2. サービスインフォメーション

2-1. 基板配置図 ..... 2-1 (J)
2-2. 主要部品の交換方法 ..... 2-2 (J)
2-2-1. 外装の外し方 ..... 2-2 (J)
2-2-2. ジョイスティックパネルASSYへの交換方法 ..... 2-3 (J)
2-2-3. ジョイスティックボリュームの交換方法 ..... 2-4 (J)
2-2-4. PROM IC ..... 2-5 (J)
2-2-5. 補修用部品の注意事項 ..... 2-5 (J)

1. INSTALLATION

1-1. Packing and Unpacking ..... 1-1 (E)
1-2. Supplied Accessories ..... 1-2 (E)
1-3. Connectors and Cables ..... 1-3 (E)
1-3-1. Connector Input/Output Signals ..... 1-3 (E)
1-3-2. Connectors ..... 1-4 (E)
1-3-3. Cable Wiring ..... 1-4 (E)
1-4. Installation ..... 1-5 (E)
1-4-1. Installation Conditions ..... 1-5 (E)
1-4-2. Installing the 19-inch Control Console ..... 1-5 (E)
1-4-3. Outside Dimensions (mm) ..... 1-6 (E)
1-5. Function of Switches on PC Board ..... 1-7 (E)
1-6. System Configuration ..... 1-8 (E)

2. SERVICE INFORMATION

2-1. Board Layout ..... 2-1 (E)
2-2. Replacement of Main Parts ..... 2-2 (E)
2-2-1. Removal of Cabinet ..... 2-2 (E)
2-2-2. Replacement of Joystick Panel ..... 2-3 (E)
2-2-3. Replacement of Joystick Control ..... 2-4 (E)
2-2-4. PROM IC ..... 2-5 (E)
2-2-5. Precaution of Replacement Parts ..... 2-5 (E)

A. DIAGRAMS

Overall Block Diagram A-3
IF-327 Board A-4
SW-527 Board, SW-536 Board A-6
Frame A-7

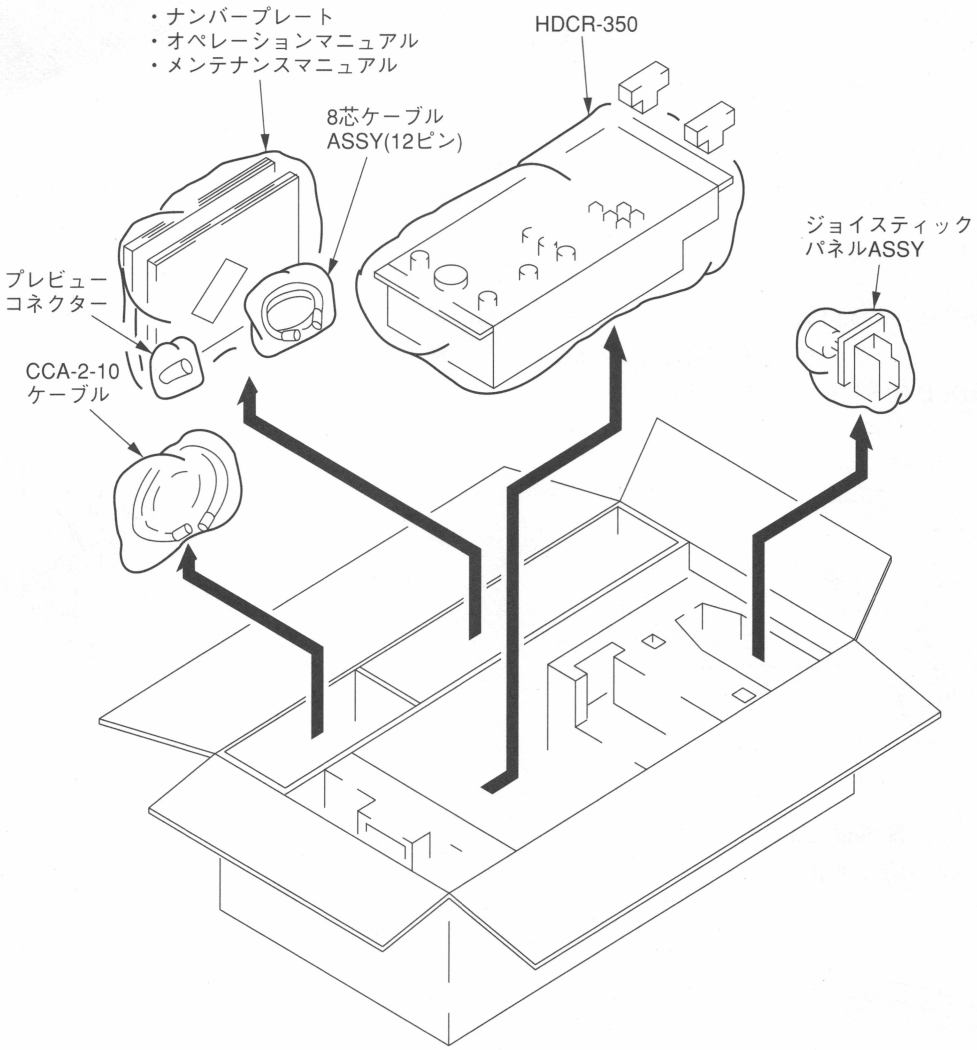
B. SEMICONDUCTOR

C. SPARE PARTS

Parts Information C-1
Exploded View C-2
Electrical Parts List C-5

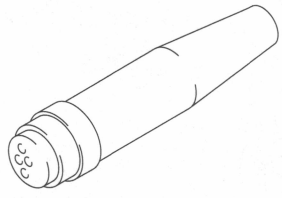
第1章
設 置

1-1. 開梱と再梱包

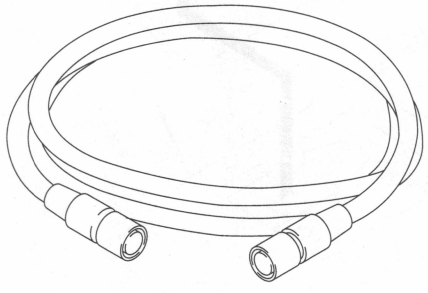


1-2. 標準付属品

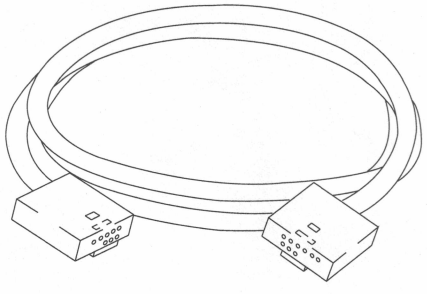
•プレビューコネクター (6ピン) : 1個
(Sony Parts No. 1-560-691-11)
PREVIEWボタンのON/OFF信号をスイッチャーへ伝達します。



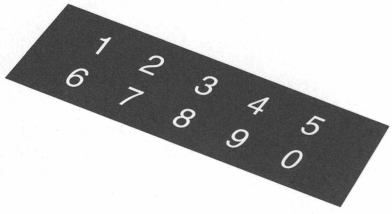
•8芯ケーブルASSY (12ピン) : 1個
(Sony Parts No. 1-574-495-41)
HDCA-50又はHDCD-50と接続する際に使用します。



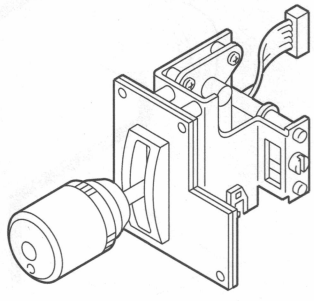
•CCA-2-10ケーブル : 1個 (Sony Parts No. 1-558-056-21)
HDCS-350に接続する際に使用します。



•ナンバープレート : 1シート　(Sony Parts No. 2-355-375-11)



•ジョイスティックパネルASSY : 1個
(Sony Parts No. A-8262-509-A)
工場出荷時に付いているダイヤルパネルASSYと交換して使用することができます。交換方法は2-2-2. ジョイスティックパネルへの交換方法を参照して下さい。



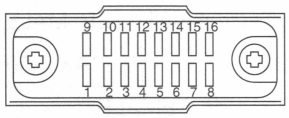
•オペレーションマニュアル : 英文、和文　各1冊
•メンテナンスマニュアル : 1冊
HDCR-350の取扱い説明書とサービスマニュアル。

1-3. 適合コネクター/ケーブル

1-3-1. コネクターの入出力信号

•主なコネクターの入出力信号は、次の通りです。

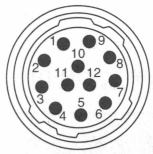
CCU (16P, FEMALE)



(EXT VIEW)

Pin No.	SIGNAL	REMARK for SIGNAL
1	CABLE SHIELD	
2	GND	
3	(Spare)	No Connection
4	(Spare)	No Connection
5	(Spare)	No Connection
6	RX X (CCU→RCP)	2.0 V p-p
7	RX Y (CCU→RCP)	Termination
8	RX GND	100 Ω ON
9	+20 V IN	DC+20 V±0.5 V
10	GND	GND for +20 V
11	(Spare)	No Connection
12	(Spare)	No Connection
13	(Spare)	No Connection
14	TX X (RCP→CCU)	2.0 V p-p
15	TX Y (RCP→CCU)	Termination
16	TX GND	100 Ω ON

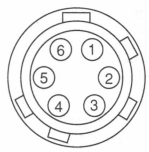
REMOTE (12P, MALE)



(EXT VIEW)

Pin No.	SIGNAL	SPECIFICATION
1	RX (CAM)	5 V p-p
2	UNREG	DC +10.5 V～17 V
3	POWER ON	GND
4	SCK	5 V p-p
5	INCOM GND	GND for INCOM
6	(INCOM IN/OUT)	No Connection
7	RX (VTR)	5 V p-p
8	REMOTE ACT	GND
9	SDA	5 V p-p
10	UNREG GND	GND for UNREG
11	TX (CAM)	5 V p-p
12	TX (VTR)	5 V p-p

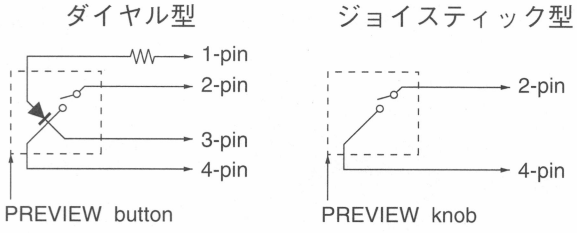
PREVIEW (6P, FEMALE)



(EXT VIEW)

Pin No.	SIGNAL	SPECIFICATION
1	PREV PW	5 V DC max 0.1 mA
2	PREV SW1	30 V DC max 0.1 mA
3	PREV GND	5 V DC max 0.1 mA
4	PREV SW0	30 V DC max 0.1 mA
5	(Spare)	No Connection
6	(Spare)	No Connection

PREVIEWコネクター結線図



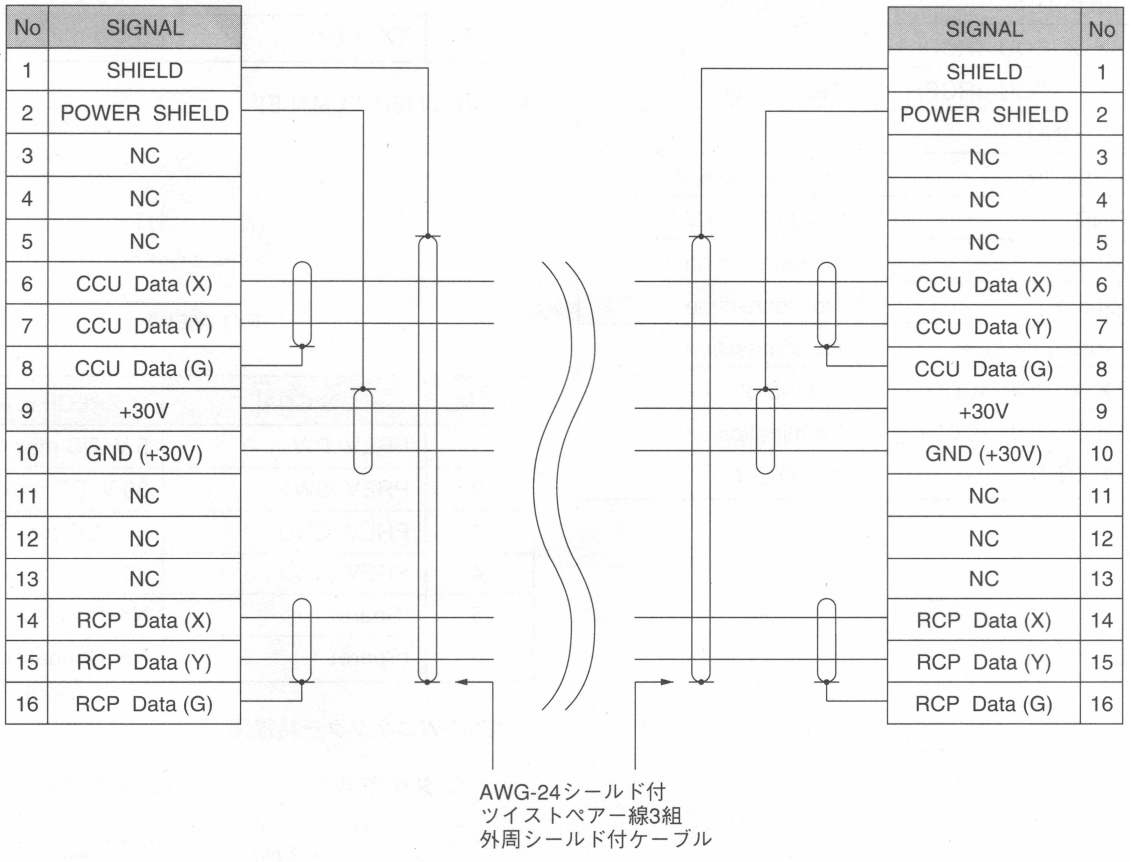
1-3-2. 接続コネクター

設置時、サービス時等において、コネクターパネル部の各種コネクターにケーブルを接続する際には、その先端に次に記するコネクター又は、同等品を使用して下さい。

コネクター機能名称	接続するケーブル側のコネクターの部品番号および名称	
PREVIEW (6P, FEMALE)	1-560-691-11	PLUG, CONNECTOR 6P MALE
CCU (16P, FEMALE)	1-564-970-11	CONNECTOR, MULTI (SQUARE) 16P MALE or CABLE ASSEMBLY CCA-2-10 (MAX. 200 m) 16P
REMOTE (12P, MALE)	1-562-221-51	PLUG, CONNECTOR 12P FEMALE

1-3-3. ケーブルの結線

HDCS-350とHDCR-350は、付属のカメラ接続ケーブルCCA-2-10を使用します。これ以外のケーブルをお使いになる時は上記の16ピンコネクターを使って、下図のように配線して下さい。ケーブルの最大長は200 mまでです。
※ケーブルの両端とも同じ接続



1-4. 設置

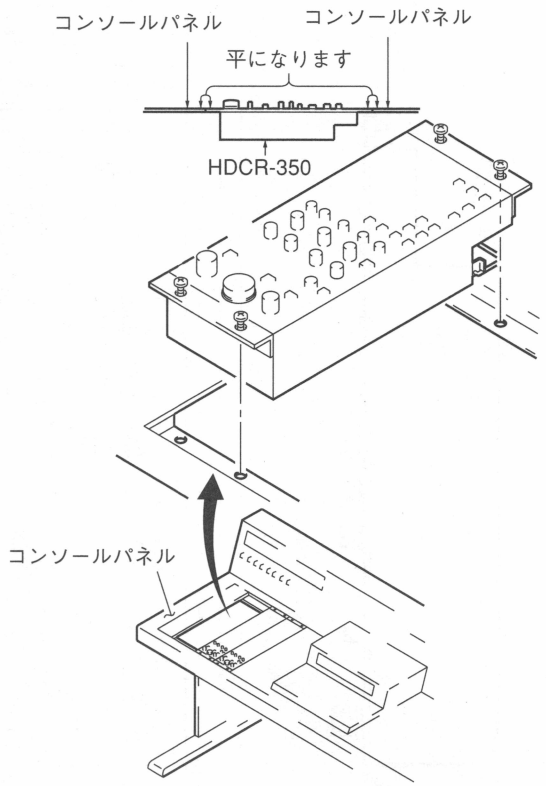
1-4-1. 設置環境

動作温度	0 ℃～40 ℃
保存温度	–20 ℃～+60 ℃
湿度	20%～80%

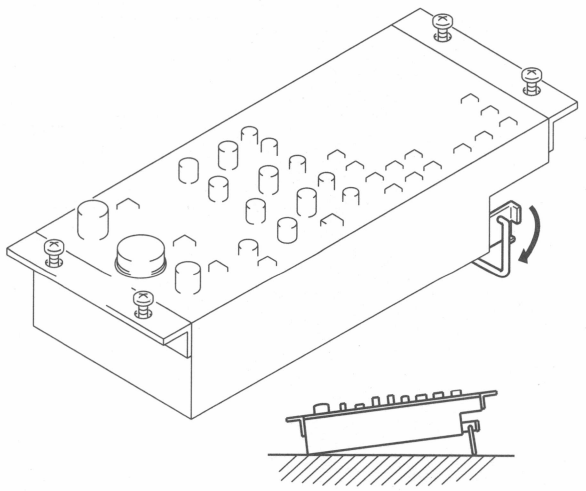
- できるだけ乾燥した、風通しの良い場所に置いて下さい。
- 次のような場所は避けて下さい。
  高温の部屋や熱源の近く
  ホコリの多い所や振動の激しい所
  強電界、強磁界のある所
  直射日光や強力なライト等が直接当たる所
- コネクターパネルの後方に約7 cm以上の空間を設けて下さい。(ケーブルの損傷を防ぎます。)

1-4-2. 19インチコンソールへの取り付け方法

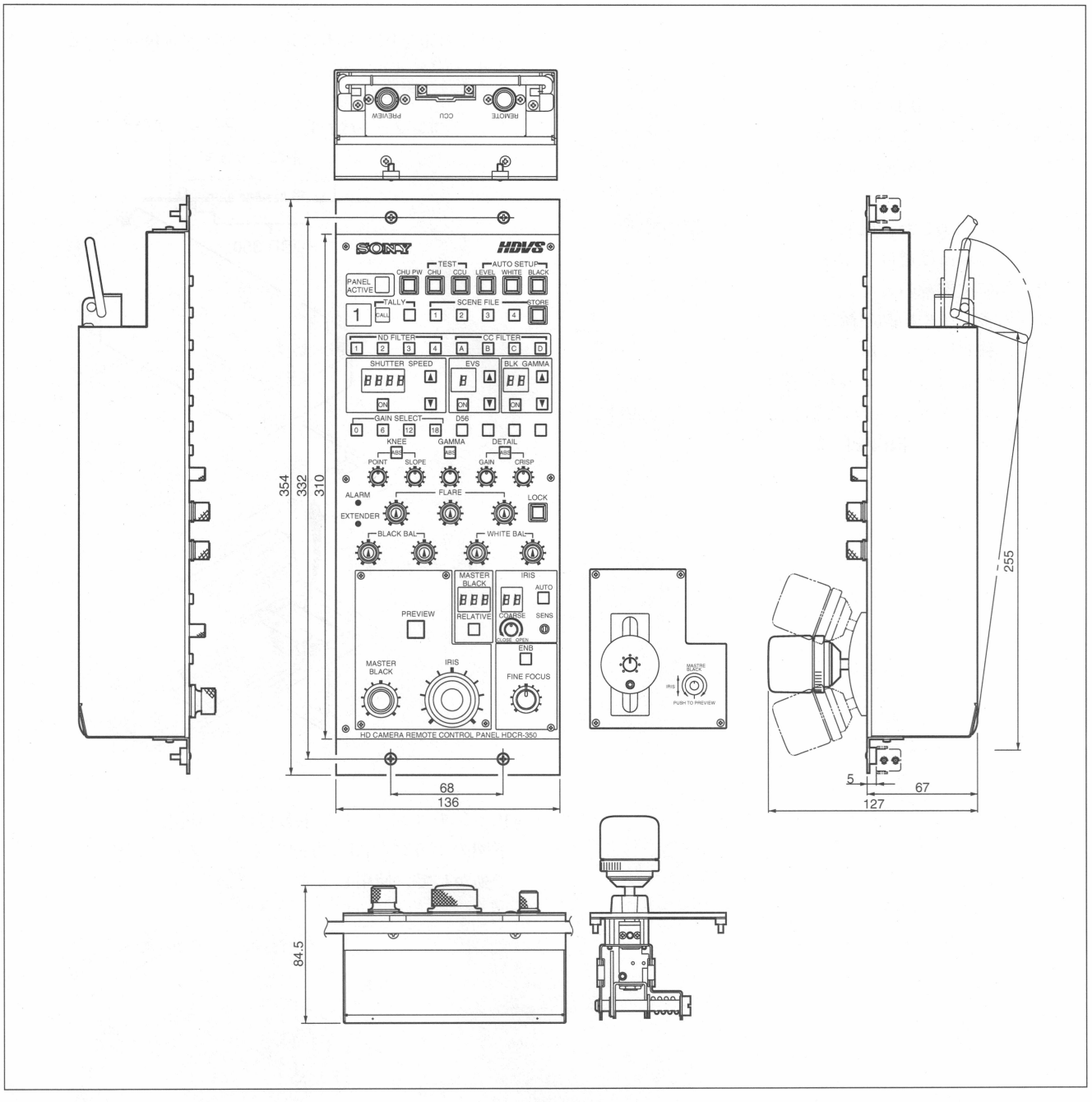
- HDCR-350を19インチコンソールに取り付けることができます。



- 19インチコンソールに取り付けない場合
  下図のように矢印の方向にガードフットが固定されるまで動かして、使用します。



1-4-3. 外形寸法 (単位 mm)



1-5. 基板内スイッチの機能

IF-372基板

•S1 (CPU RESET)
CPUをリセットします。

•S2 (MODE SET)

S2-1: RV SELECT
コントロールパネル上の操作つまみ (Ⓐ 部) の信号表示の順序を図-1のように切り換えることができます。
工場出荷時は「OFF (OPEN)」に設定されています。

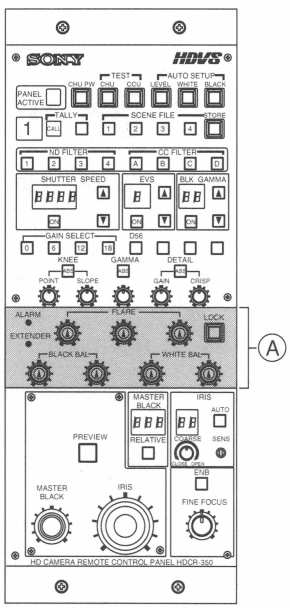
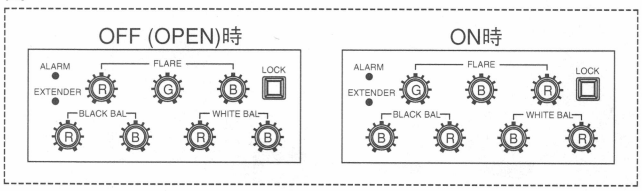
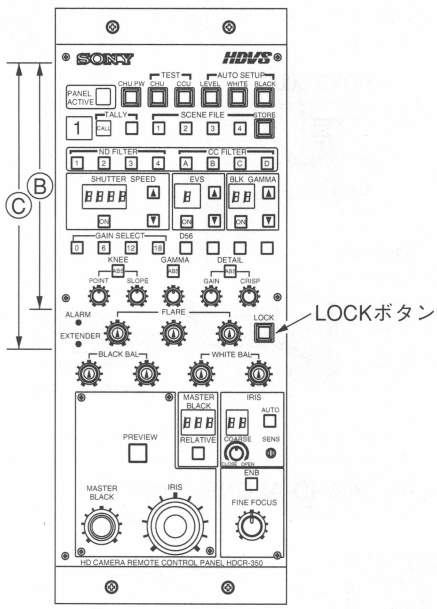


図-1



注意：ONにした時にはコントロールパネルのつまみを差し換えて下さい。

S2-2: LOCK MODE
このS2-2スイッチはロックボタンがコントロールパネル上のスイッチ類の機能をロックする範囲を設定できます。
コントロールパネル上のロックボタンを「ON」にした状態で、S2-2スイッチを「ON」にすると、Ⓑ 部の範囲のスイッチ類が機能しなくなります。又、「OFF (OPEN)」にすると、Ⓒ 部の範囲のスイッチ類 (LOCKボタン以外) が機能しなくなります。
工場出荷時は「OFF (OPEN)」に設定されています。

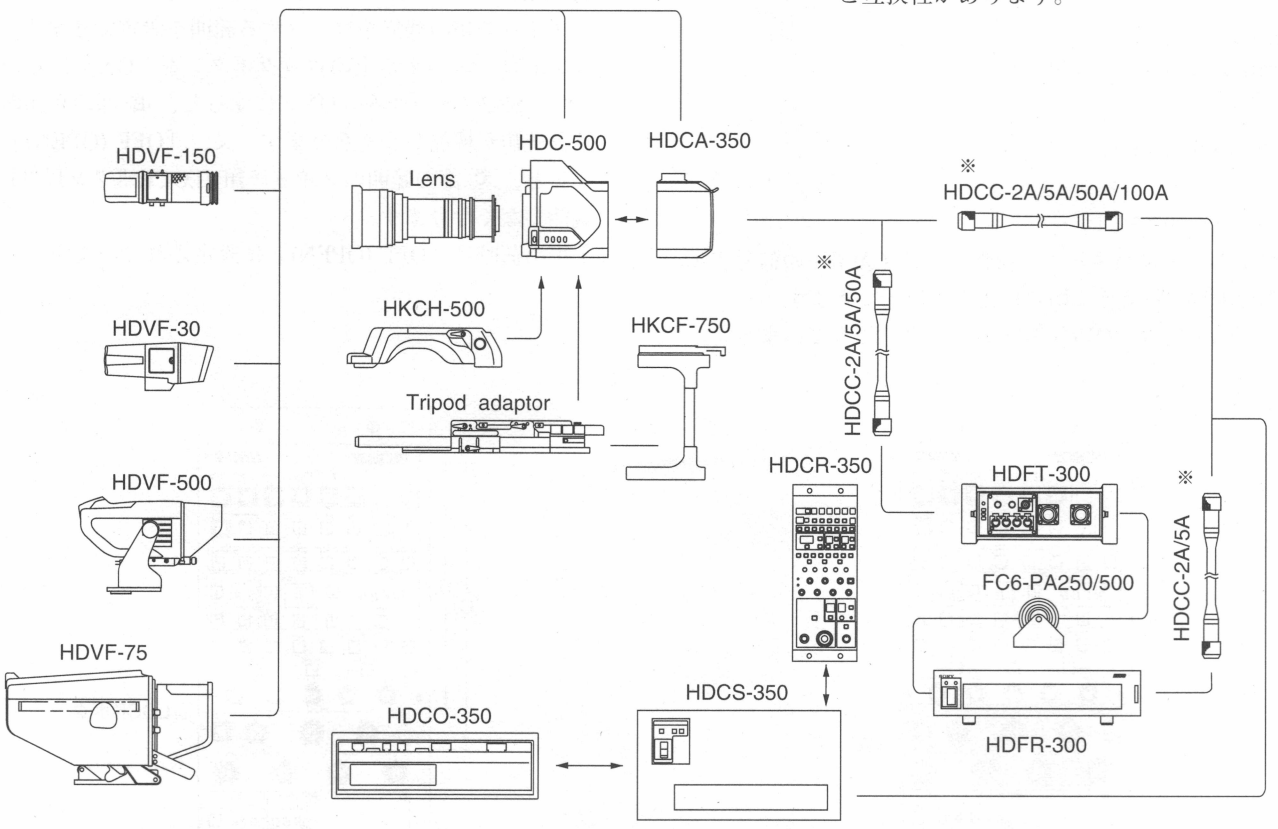


S2-3～S2-8
現在は未使用となっているので「OFF (OPEN)」にしてあります。

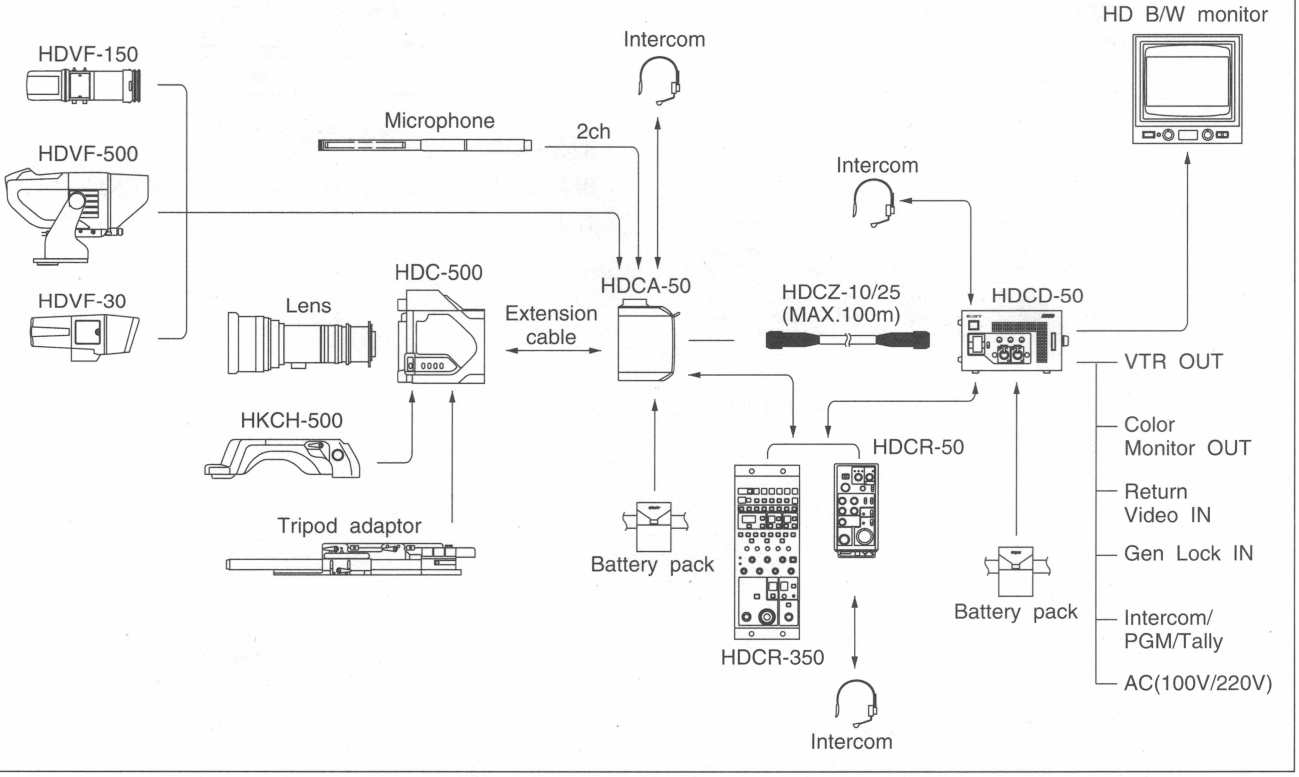
1-6. システム接続

HDC-500 CCU SYSTEM

※ これらのケーブルは、HDCC-2/5/50/100と互換性があります。

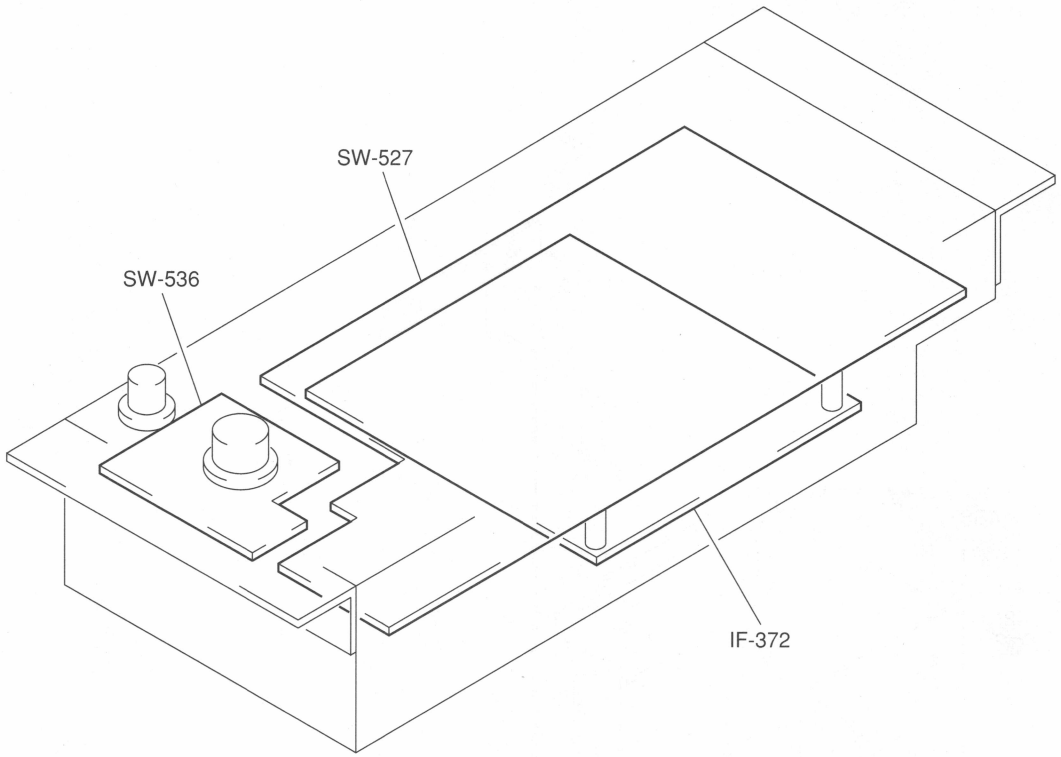


HDC-500 SYAND-ALONE SYSTEM



第2章
サービスインフォメーション

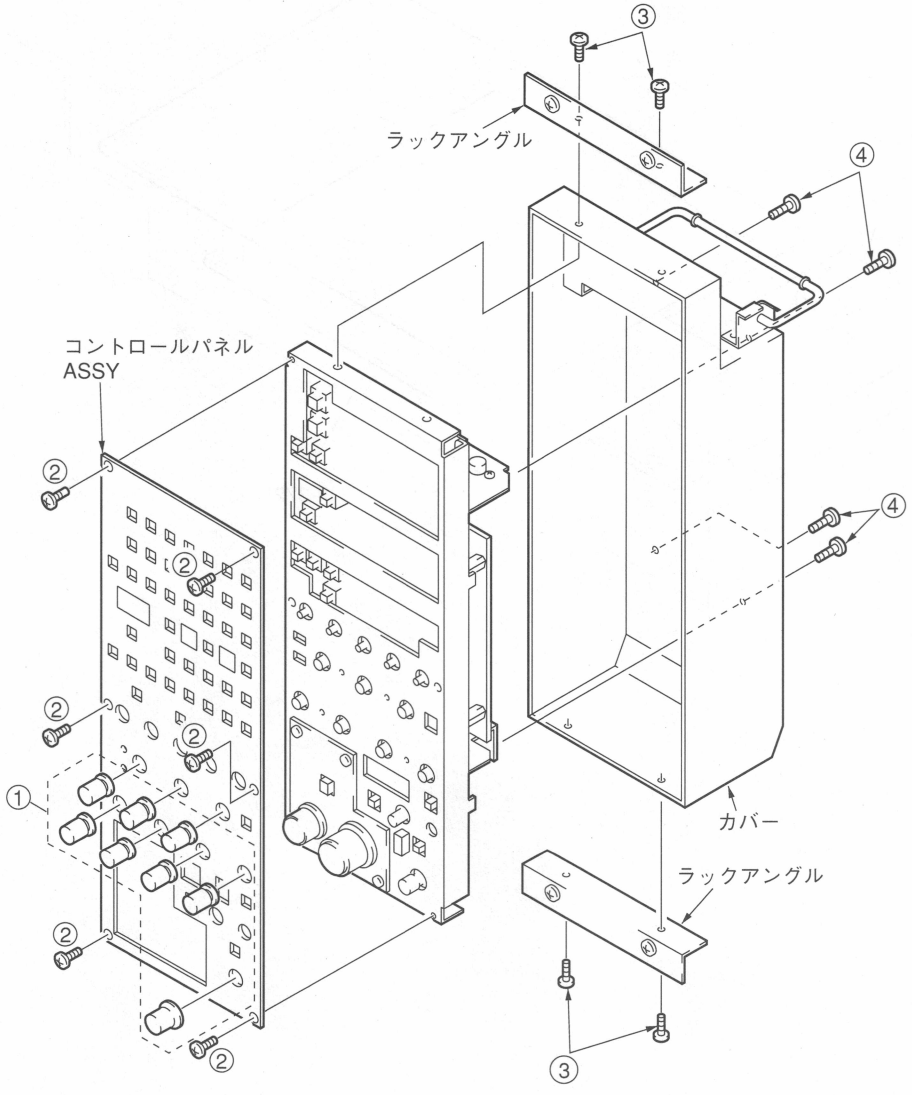
2-1. 基板配置図



2-2. 主要部品の交換方法

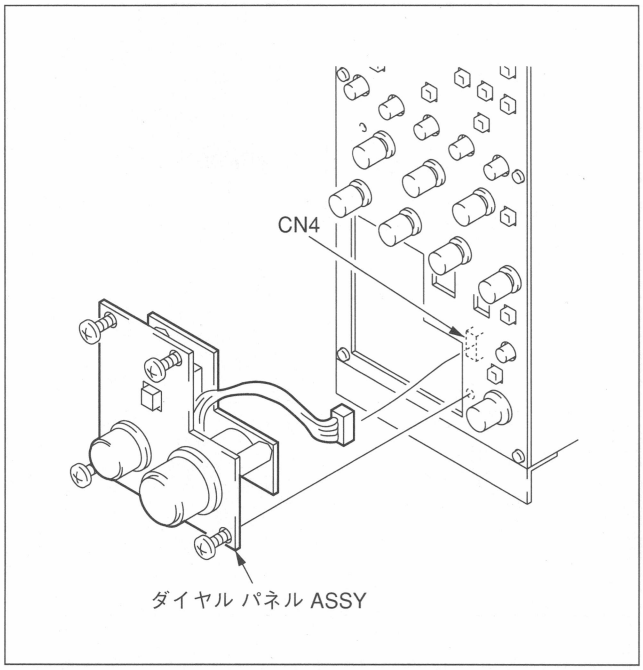
2-2-1. 外装の外し方

① つまみ (8個) を外します。
② ねじ (+P 2.6 × 5) 6本を外すとコントロールパネルASSYが外れます。
③ ねじ (+B 3 × 4) 2本をそれぞれ外すとラックアングルが外れます。
④ ねじ (+B 3 × 4) 4本を外すとカバーが外れます。

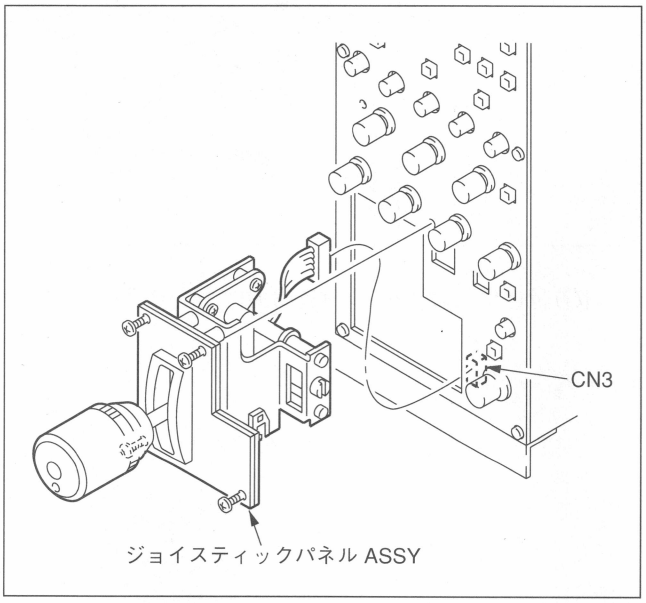


2-2-2. ジョイスティックパネルASSYへの交換方法

1. ねじ (+P 2.6 × 10) 4本をゆるめ、SW-527基板のCN4を外し、ダイヤルパネルASSYを外します。

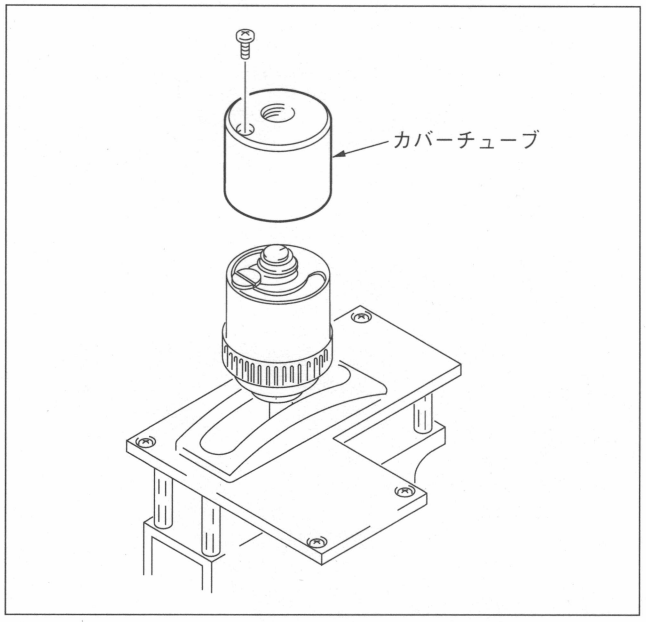


2. SW-527基板のCN3にコネクターを取り付け、ねじ (+P 2.6 × 10) 4本でジョイスティックパネルASSYを取り付けます。

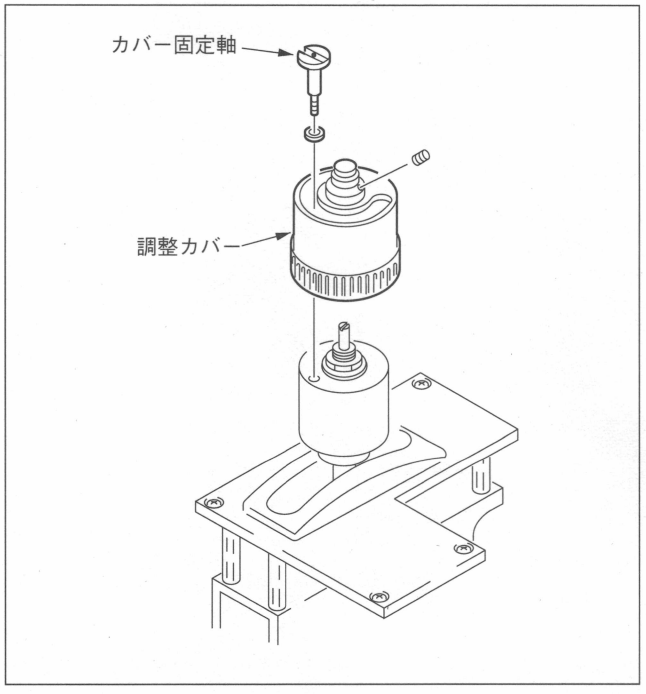


2-2-3. ジョイスティックボリュームの交換方法

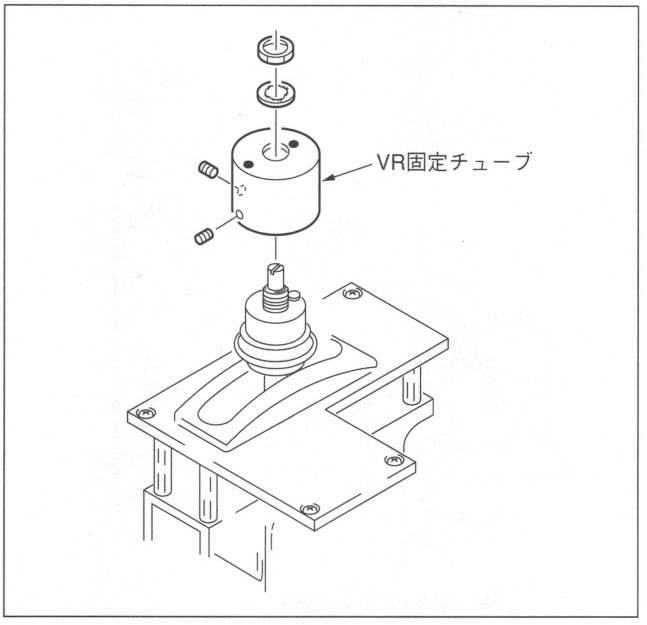
1. 精密ねじ (+P 2.6 × 6) 1本を外し、カバーチューブを外します。



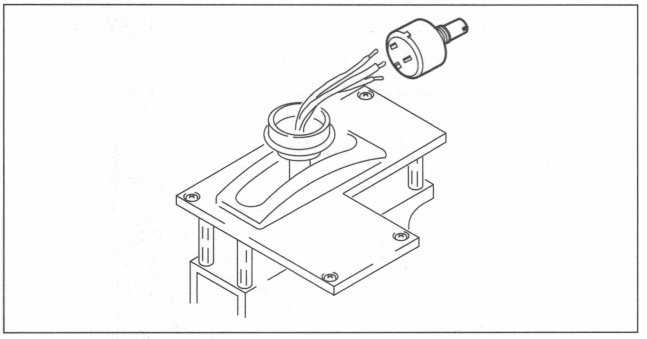
2. カバー固定軸を外します。セットスクリュウ (2.6×3) 1本を外し、調整カバーを外します。



3. ボリュームを止めているナット、セットスクリュウ (2.6×3) 2本を外し、VR固定チューブを外します。



4. ボリュームに接続しているハーネスの半田付けを外します。



5. 取り付けは、取り外しの逆の手順で行います。

2-2-4. PROM IC

PROM ICにはオリジナル品名の末尾にそのプログラムの名称が記載されています。下表にはその名称が太い文字で示されています。
また、バージョン変更された場合、この末尾の名称が変わります。
オリジナル品名のみは (プログラム化されていない) 絶対に使用しないでください。

基板	Ref. No	名称
IF-372	IC 10	9800-**IF372-V1.0**
	IC 11	27C512-**RCP-V1.0**

2-2-5. 補修用部品の注意事項

(1) 安全重要部品
回路図、分解図、電気部品表中、⚠印付きの部品は安全性を維持するために重要な部品です。従って、これらの部品を交換するには必ず指定の部品と交換してください。

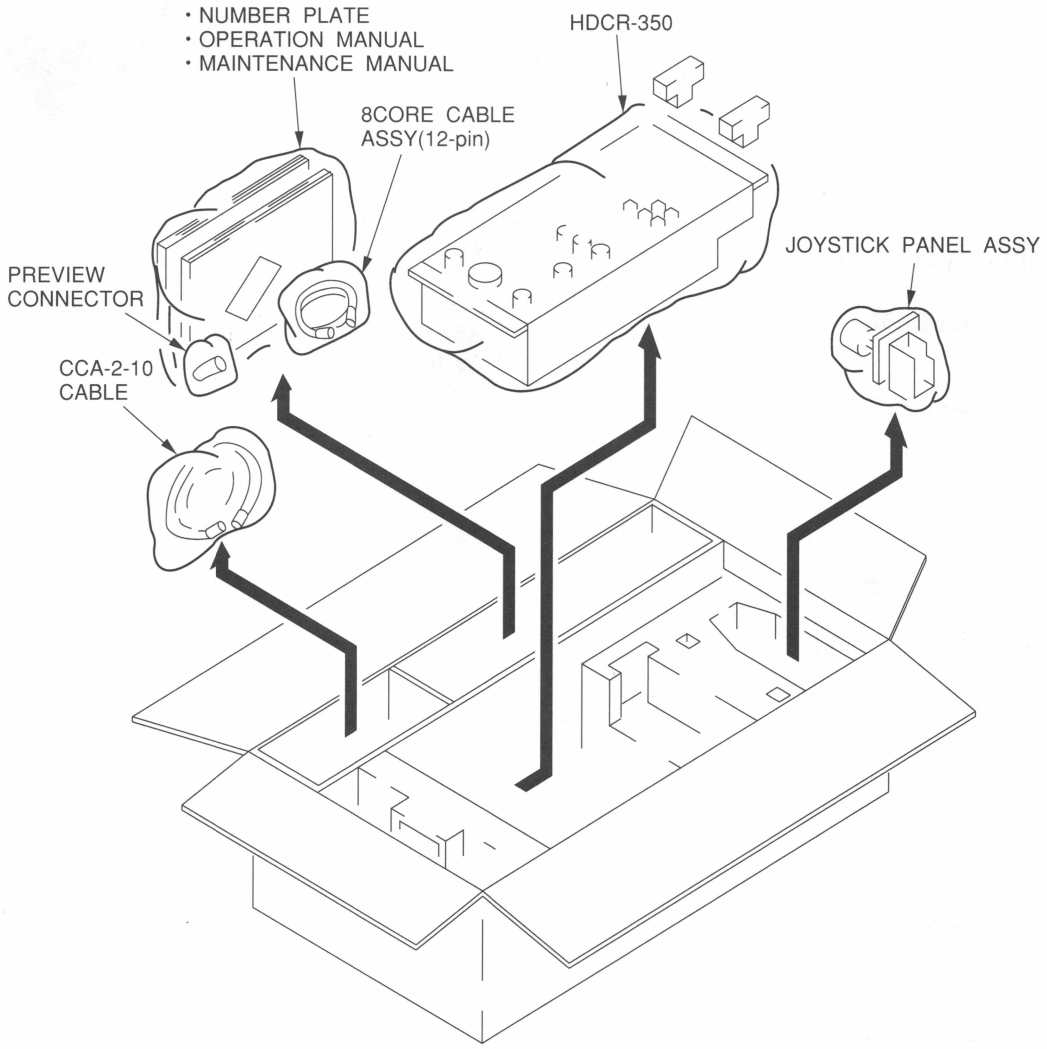
(2) 部品の共通化
ソニーから供給される部品はセットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。分解図や電気部品表中には現時点での共通化された部品が記載されています。

(3) 部品在庫
分解図、電気部品表中、SP欄が "S" で示されている部品は常時在庫しています。
SP欄が "O" で示されている部品は交換頻度が低い部品であるので在庫しないことがあり、納期が長くなることがあります。

(4) コンデンサ、インダクタ、抵抗の単位
回路図、分解図、電気部品表中、特に明記したものを除き、下記の単位は省略されています。
コンデンサ : μF
インダクタ : μH
抵抗 : Ω

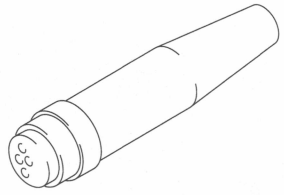
SECTION 1
INSTALLATION

1-1. PACKING AND UNPACKING

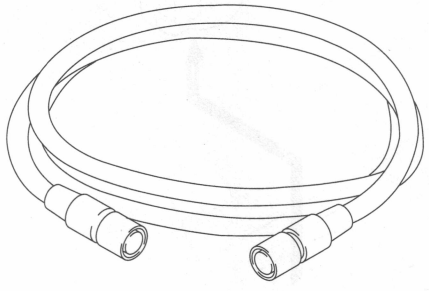


1-2. SUPPLIED ACCESSORIES

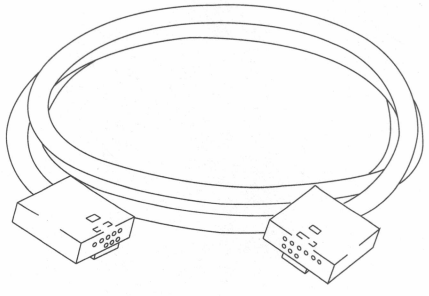
•PREVIEW CONNECTOR (6-PIN) : ×1
(Sony Parts No. 1-560-691-11)
Transmits the PREVIEW button ON/OFF signal to the switcher.



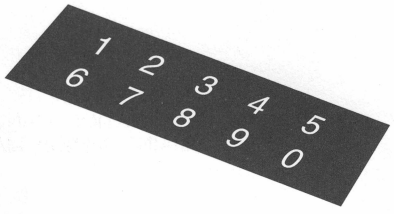
•8 CORE CABLE ASSY (12-PIN) :
(Sony Parts No. 1-574-495-41)
Use for connection with the HDCA-50 or HDCD-50.



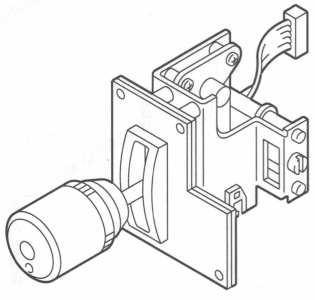
•CCA-2-10 CABLE : ×1
(Sony Parts No. 1-558-056-21)
Used to connect to the HDCS-350.



•NUMBER PLATE : ×1
(Sony Parts No. 2-355-375-11)



•JOYSTICK PANEL ASSY : ×1
(Sony Parts No. A-8262-509-A)
According to use, install the JOYSTICK PANEL ASSY in place of the DIAL PANEL ASSY to the unit. As for replacement, refer to "2-2-2. Replacement of JOYSTICK PANEL".



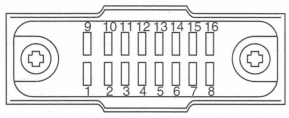
•OPERATION MANUAL (Japanese) : ×1
•OPERATION MANUAL (English) : ×1
•MAINTENANCE MANUAL : ×1

1-3. CONNECTORS AND CABLES

1-3-1. Connector Input/Output Signals

The main connector Input/Output signals are as follows.

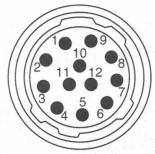
CCU (16P, FEMALE)



(EXT VIEW)

Pin No.	SIGNAL	REMARK for SIGNAL
1	CABLE SHIELD	
2	GND	
3	(Spare)	No Connection
4	(Spare)	No Connection
5	(Spare)	No Connection
6	RX X (CCU→RCP)	2.0 V p-p
7	RX Y (CCU→RCP)	Termination
8	RX GND	100 Ω ON
9	+20 V IN	DC+20 V±0.5 V
10	GND	GND for +20 V
11	(Spare)	No Connection
12	(Spare)	No Connection
13	(Spare)	No Connection
14	TX X (RCP→CCU)	2.0 V p-p
15	TX Y (RCP→CCU)	Termination
16	TX GND	100 Ω ON

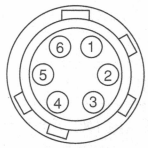
REMOTE (12P, MALE)



(EXT VIEW)

Pin No.	SIGNAL	SPECIFICATION
1	RX (CAM)	5 V p-p
2	UNREG	DC +10.5 V~17 V
3	POWER ON	GND
4	SCK	5 V p-p
5	INCOM GND	GND for INCOM
6	(INCOM IN/OUT)	No Connection
7	RX (VTR)	5 V p-p
8	REMOTE ACT	GND
9	SDA	5 V p-p
10	UNREG GND	GND for UNREG
11	TX (CAM)	5 V p-p
12	TX (VTR)	5 V p-p

PREVIEW (6P, FEMALE)

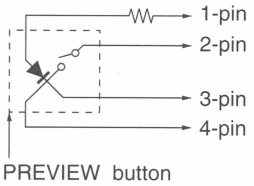


(EXT VIEW)

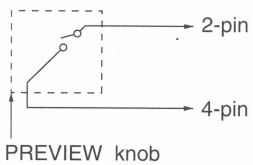
Pin No.	SIGNAL	SPECIFICATION
1	PREV PW	5 V DC max 0.1 mA
2	PREV SW1	30 V DC max 0.1 mA
3	PREV GND	5 V DC max 0.1 mA
4	PREV SW0	30 V DC max 0.1 mA
5	(Spare)	No Connection
6	(Spare)	No Connection

Note: The PREVIEW connector is wired as show in the diagram below, and controls the external video switcher.

DIAL TYPE



JOYSTICK TYPE



1-3-2. Connectors

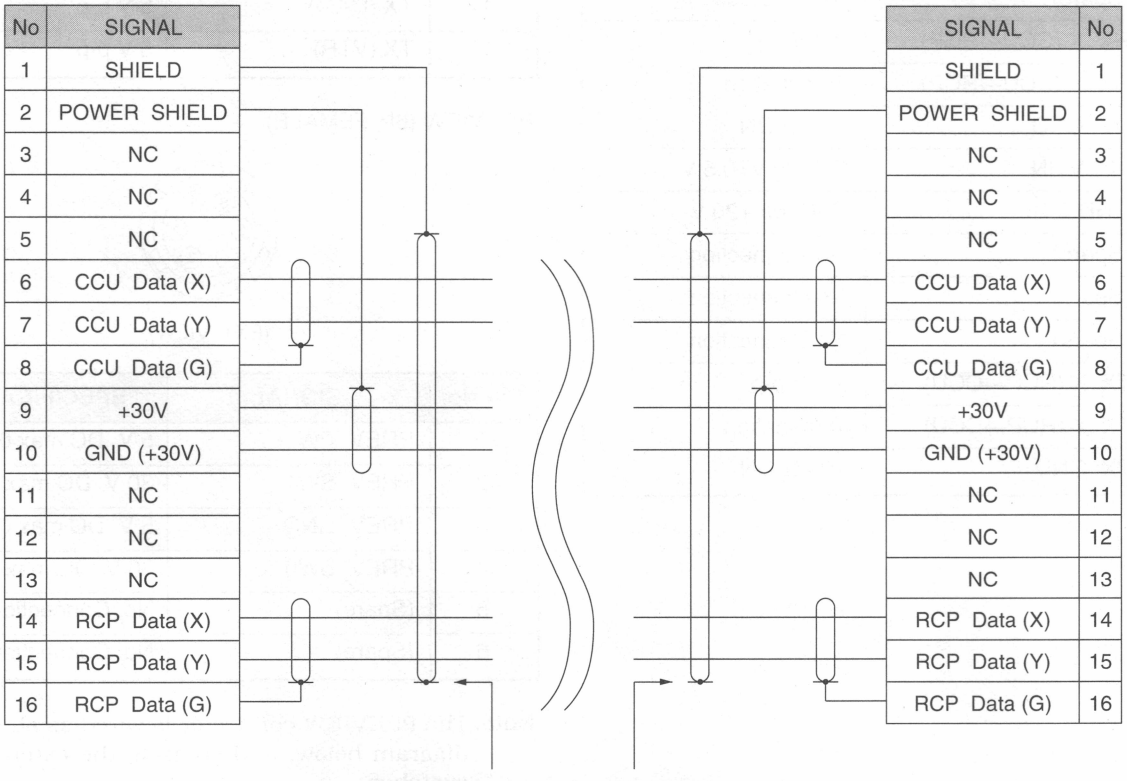
When cable with connectors are set to the respective connectors on the connector panel during installation or service, the spacified or equivalent connectors with cables, or the specified cable assemblies should be used, these are listed as follows;

Connector function	Parts No. and name of connector with cable	
PREVIEW (6P, FEMALE)	1-560-691-11	PLUG, CONNECTOR 6P MALE
CCU (16P, FEMALE)	1-564-970-11	CONNECTOR, MULTI (SQUARE) 16P MALE or CABLE ASSEMBLY CCA-2-10 (MAX. 200 m) 16P
REMOTE (12P, MALE)	1-562-221-51	PLUG, CONNECTOR 12P FEMALE

1-3-3. Cable Wiring

Connection between the HDCS-350 and the HDCR-350 can be made with the CCA-2-10 camera connecting cable supplied with the HDCR-350 or, if you wish to use cable other than this, make use of the above-listed 16-pin connectors by wiring them as shown in the diagram below. The maximum cable length should be 200 m.

• Make the same connections at both ends of the cable.



Cable should contain three twisted pairs,each surrounded by AWG-24 shielded wite These,in turn,should be surrounded by outer shield.

1-4. INSTALLATION

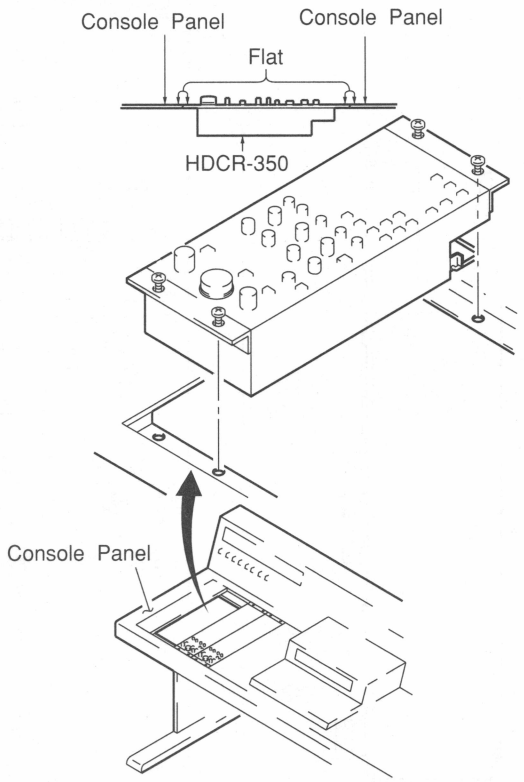
1-4-1. Installation Conditions

Operating temperature :	0 ℃ to 40 ℃
Storage temperature :	–20 ℃ to +60 ℃
Humidity :	20% to 80%

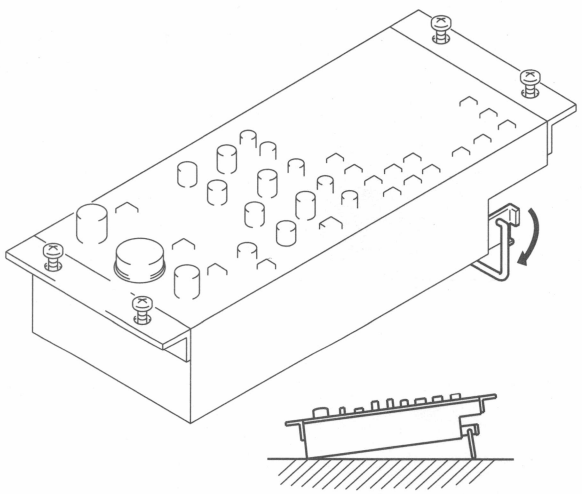
- Install in a location as dry and well-ventilated as possible.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on an uneven surface (rug, blanket, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit near a heat source such as a radiator or air duct, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- The unit is designed for operation in a horizontal position only.
- Keep the unit away from equipment with strong magnetic fields.
- Provide a space of 7 cm or more behind the connector panel. (This prevents cable breakdown)

1-4-2. Installing the 19-inch Control Console

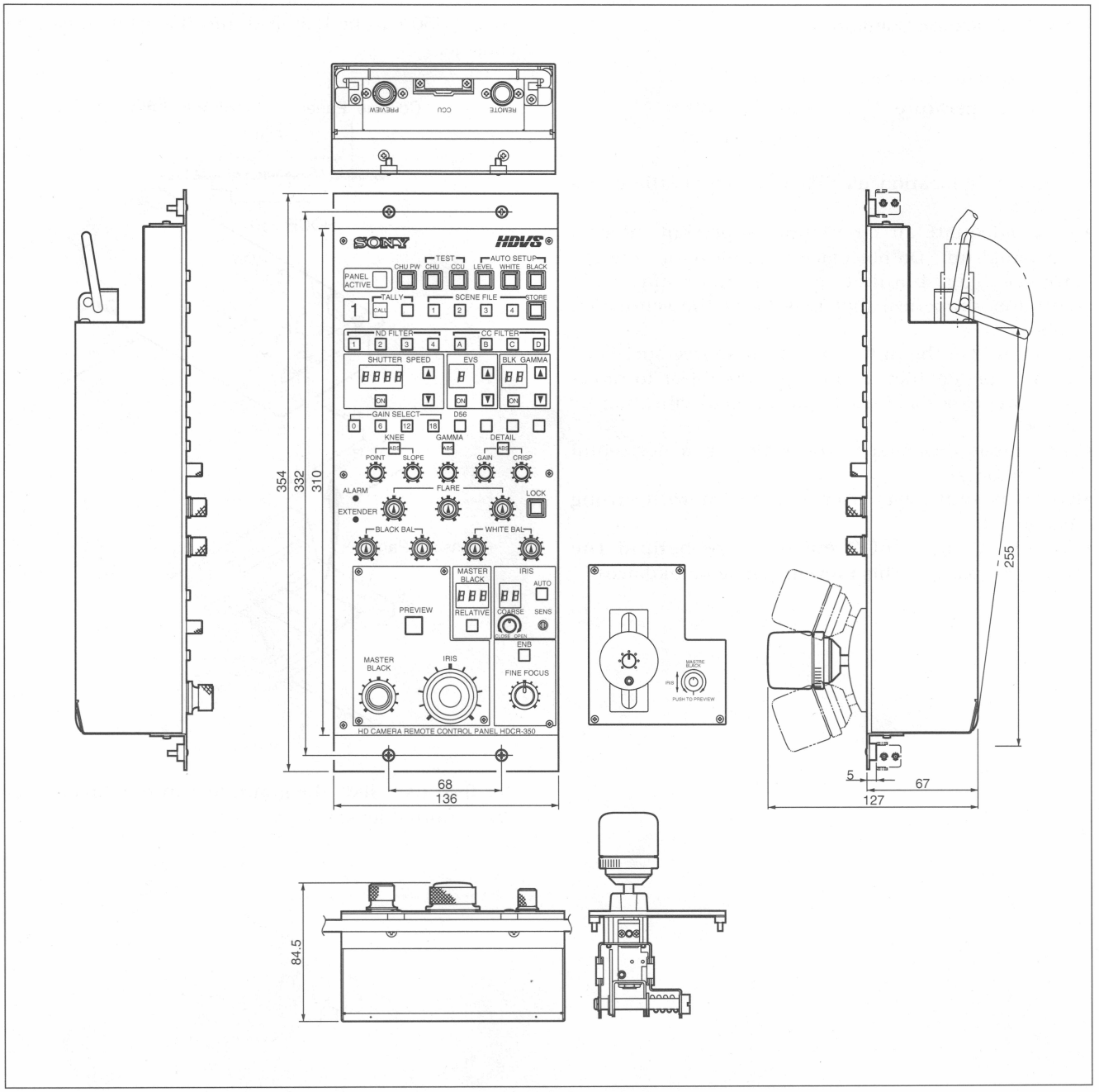
- HDCR-350 can be installed into the 19-inch control console.



- For field use, slide the guard foot in the direction of arrow until it looks.



1-4-3. Outside Dimensions (mm)



1-5. FUNCTION OF SWITCHES ON PC BOARD

IF-372 Board

•S1 (CPU RESET)
This switch is used to reset CPU.

•S2 (MODE SET)

S2-1: RV SELECT
When this switch is set to "ON", the order of the RGB indication of operation knobs in the control block Ⓐ is changed as shown in Fig-1.
Be sure to change operation knobs simultaneously.
This switch is set to "OFF (OPEN)" at the factory.

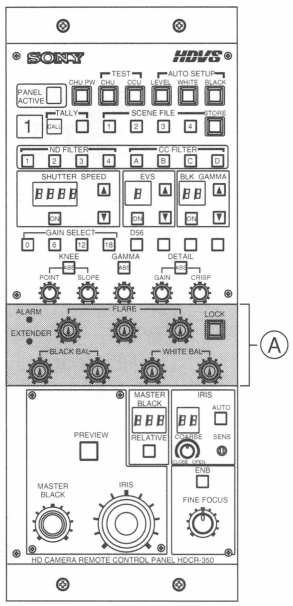
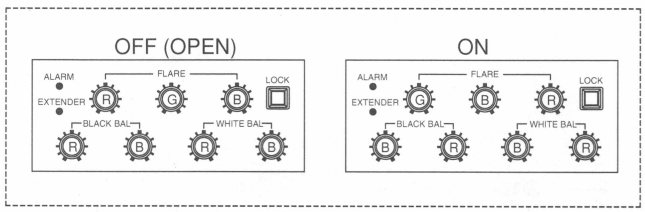
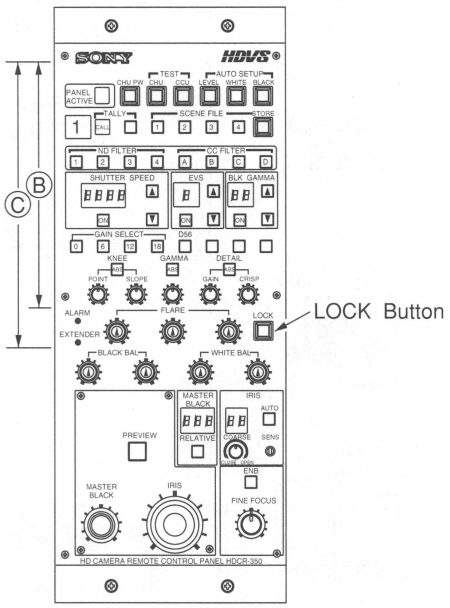


Fig-1



S2-2: LOCK MODE
When the S2-2 switch is set to "ON", all buttons and knobs in the function block Ⓑ are made inoperable by turning on the Lock button. When the S2-2 switch is set to "OFF (OPEN)", those in the function block Ⓒ are made inoperable.
This switch is set to " OFF (OPEN)" at the factory.

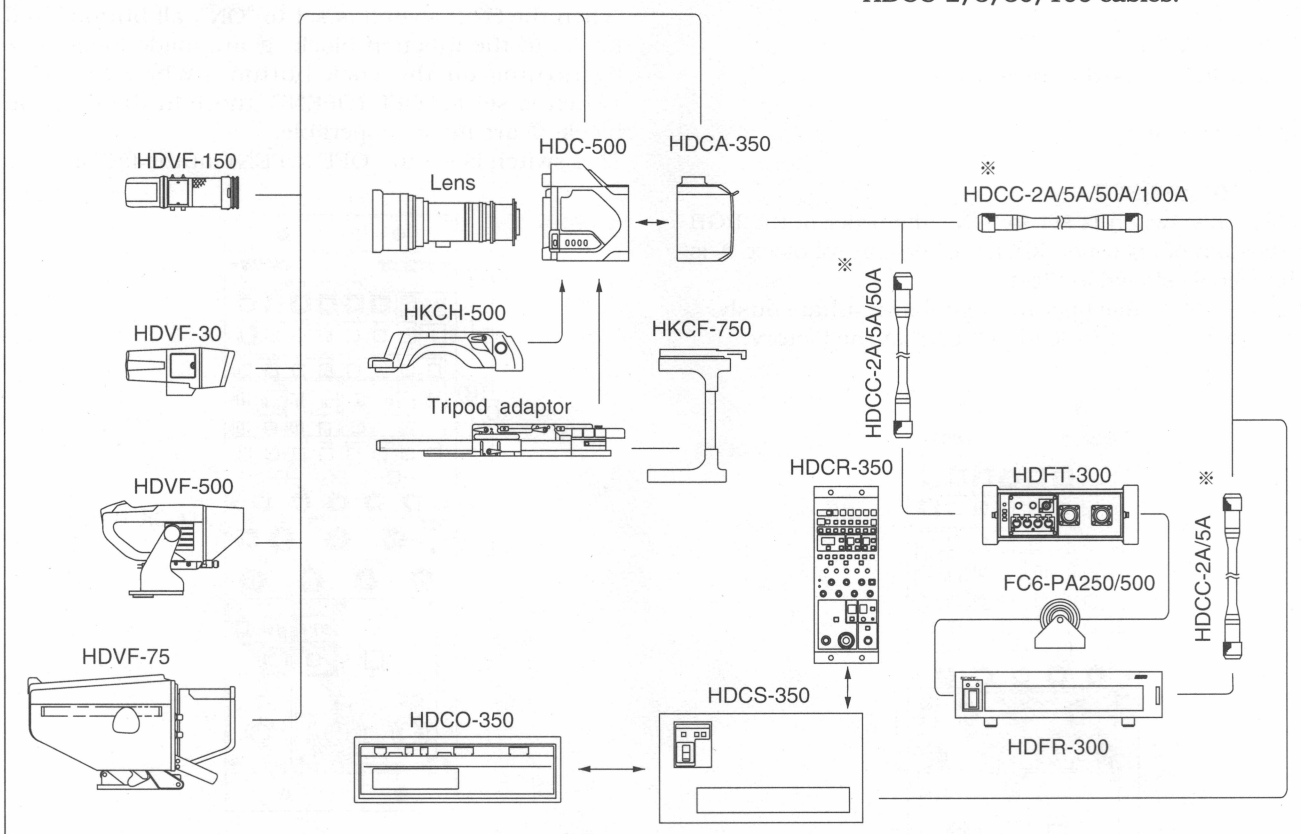


S2-3 through S2-8
Not used. Set the switch to "OFF (OPEN)".

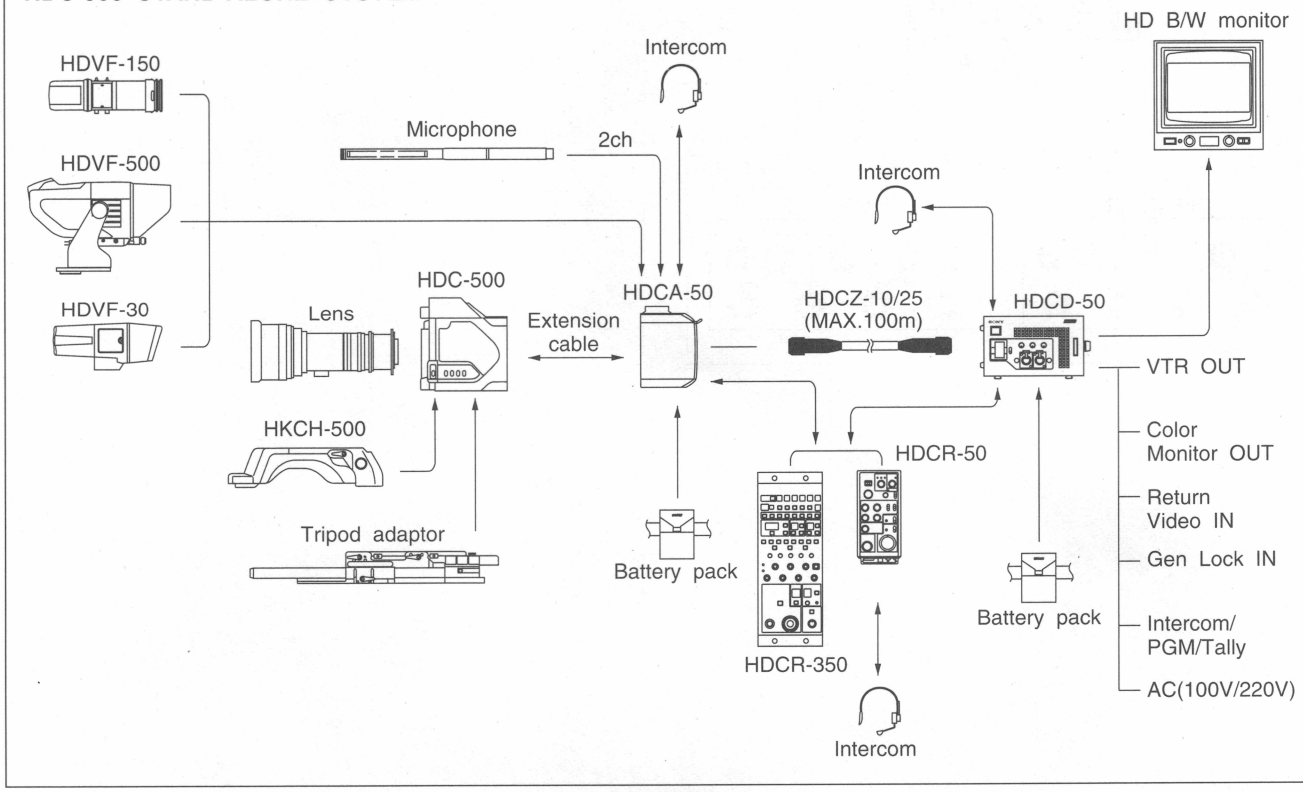
1-6. SYSTEM CONFIGURATION

HDC-500 CCU SYSTEM

※ These cables are compatible with the HDCC-2/5/50/100 cables.

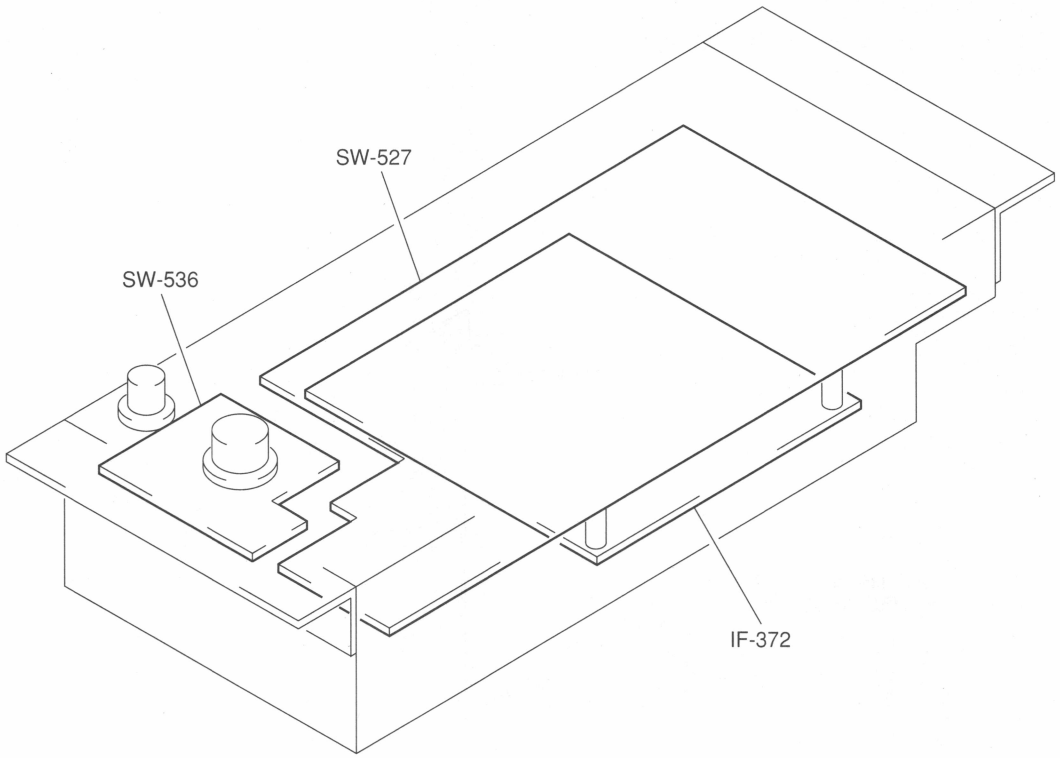


HDC-500 SYAND-ALONE SYSTEM



SECTION 2
SERVICE INFORMATION

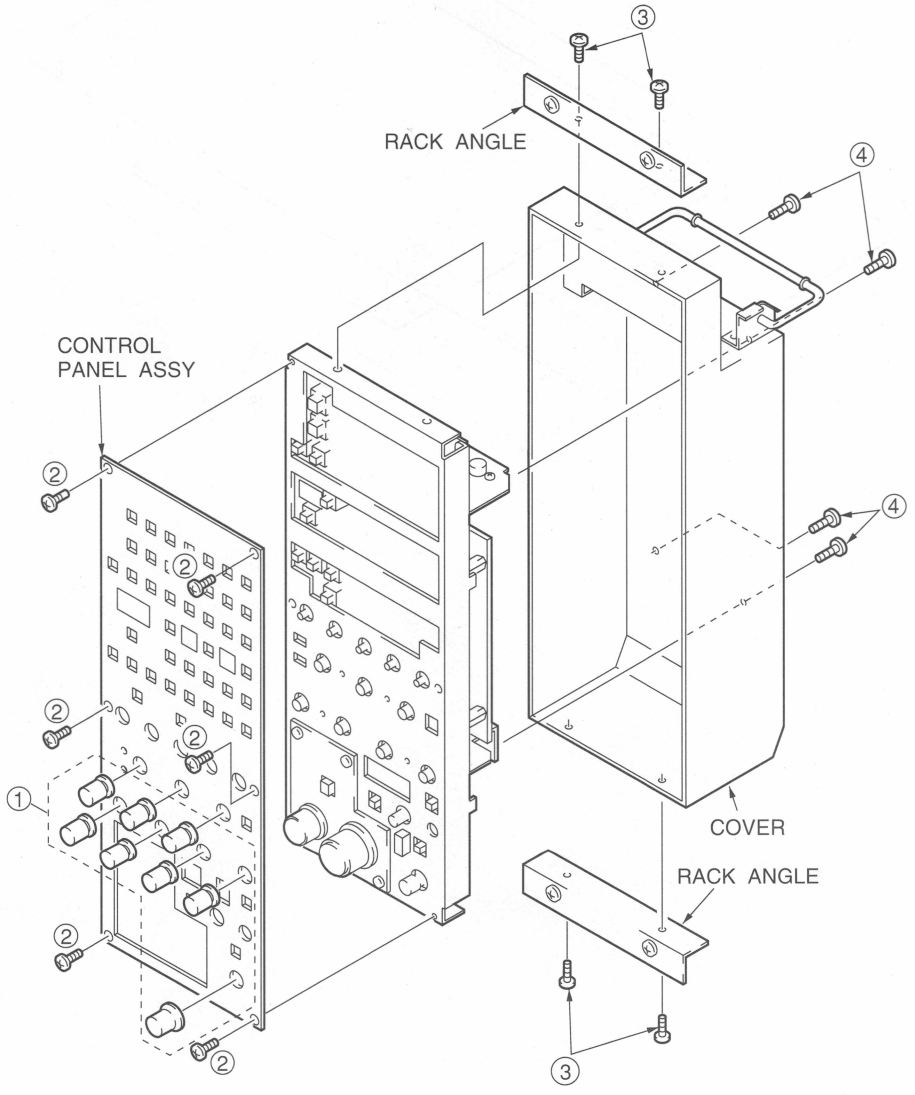
2-1. BOARD LAYOUT



2-2. REPLACEMENT OF MAIN PARTS

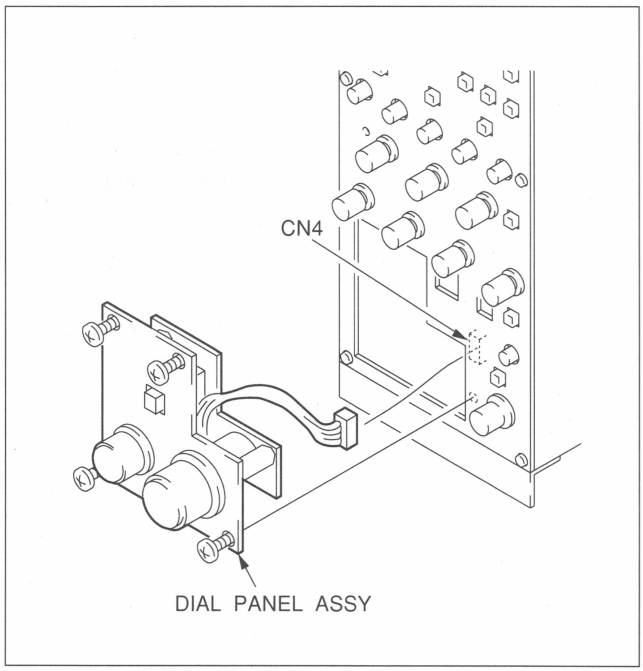
2-2-1. Removal of Cabinet

① Remove eight knobs.
② The CONTROL PANEL ASSY can be removed by removing six screws (+ P 2.6 × 5).
③ Each of the RACK ANGLE can be removed by removing two screws (+ B 3 × 4).
④ The COVER can be removed by removing four screws (+ B 3 × 4).

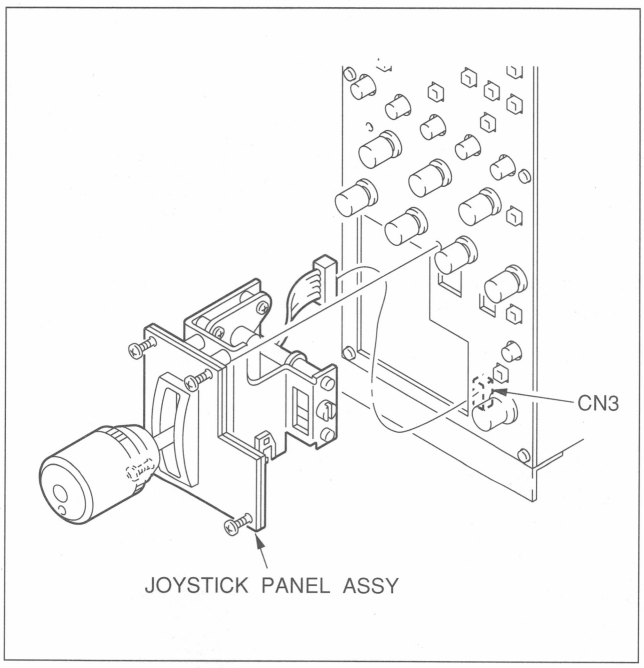


2-2-2. Replacement of JOYSTICK PANEL

1. Loosen four screws (+ P 2.6 × 10), and disconnect CN4 of SW-527 board to remove the DIAL PANEL ASSY.

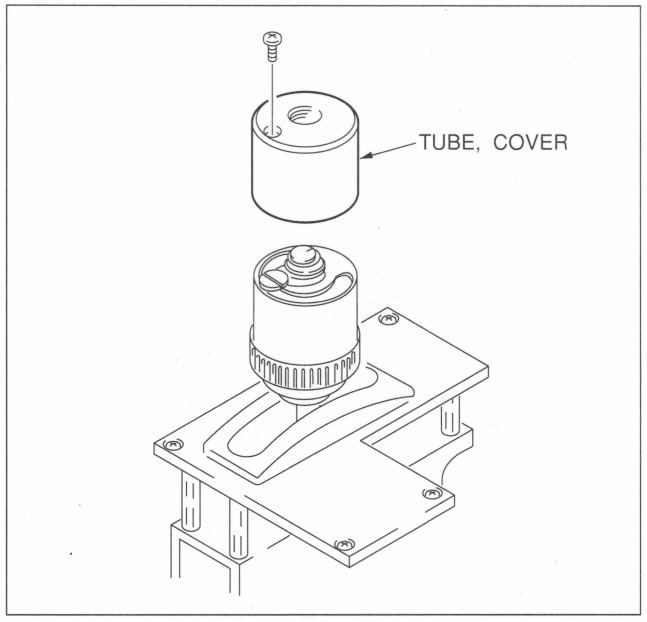


2. Attach a connector to CN3 of SW-527 board, and mount the JOYSTICK PANEL ASSY (supplied) with four screws (+ P 2.6 × 10).

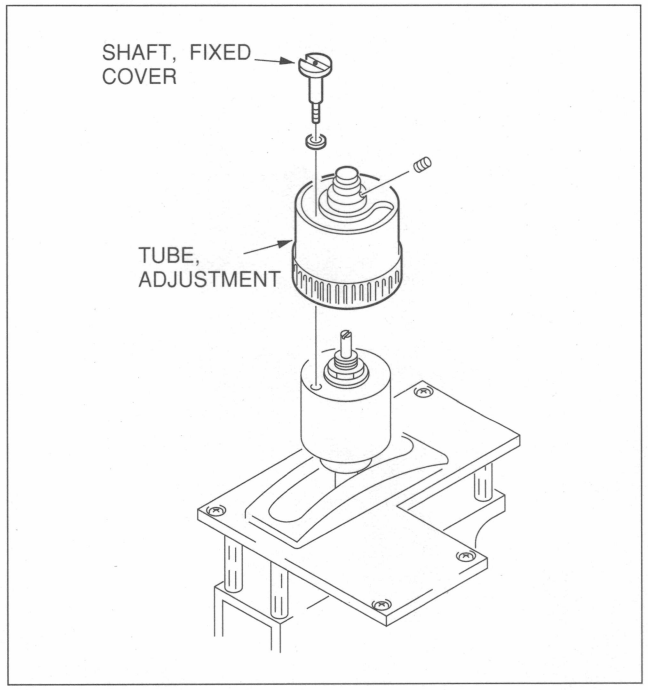


2-2-3. Replacement of Joystick Control

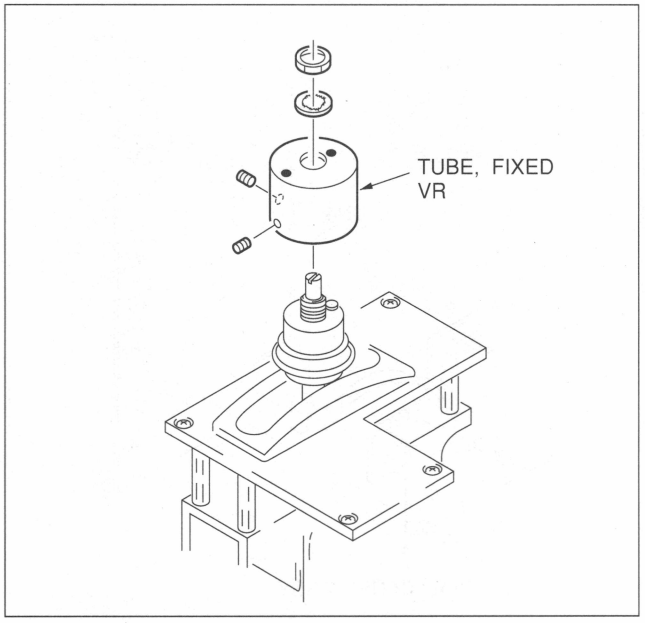
1. Remove the precision screw (+P 2.6 × 6) and remove COVER TUBE.



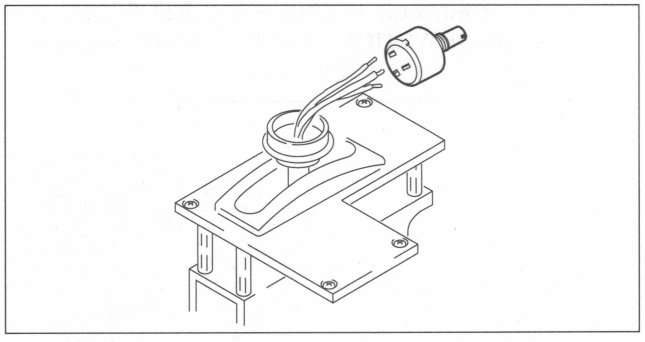
2. Unscrew COVER FIXED SHAFT. Remove the setscrew (2.6 × 3) and remove ADJUSTMENT TUBE.



3. Remove the nut securing the control and remove the setscrew (2.6 × 3). VR FIXED TUBE will be removed.



4. Desolder harness connected to the control.



5. When mounting a new control, reverse the procedures for removal.

2-2-4. PROM IC

Each PROM IC on the PC board has a suffix to its original designation, which is shown in bold-face type in the following table. This suffix may change according to impovement of IC. Never use an IC having no suffix to its original designation, because its memory has not been programmed.

BOARD	Ref. No	PROM IC
IF-372	IC 10	9800-**IF372-V1.0**
	IC 11	27C512-**RCP-V1.0**

2-2-5. Precaution of Replacement Parts

1. Safety Related Components Warning
   Components identified by shading marked with ⚠on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

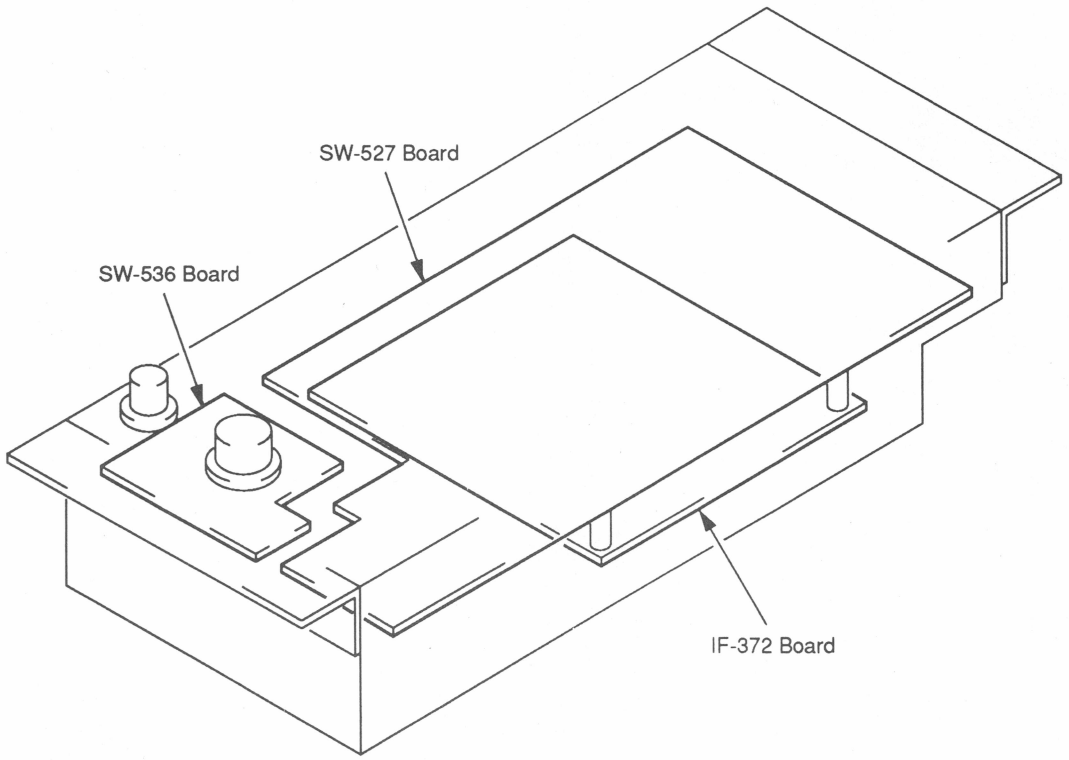
2. Standardization of Parts
   Replace Parts that are supplied from Sony Parts Center can sometimes have different shape and external appearance than what are actually used in equipment. This is due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts."
   - This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present."
   - Regarding engineering parts and diagrams changes in our engineering department, refer Sony service bulletins and service manual supplements.

3. Stocked of Parts
   The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be proceed, but allow for additional delivery time.

4. Units of Capacitors, Inductors, and Resistors
   The following units are omitted in the schematic diagrams, exploded views, and electrical part lists unless otherwise specified;
   Capacitor : μF
   Inductor : μH
   Resistor : Ω

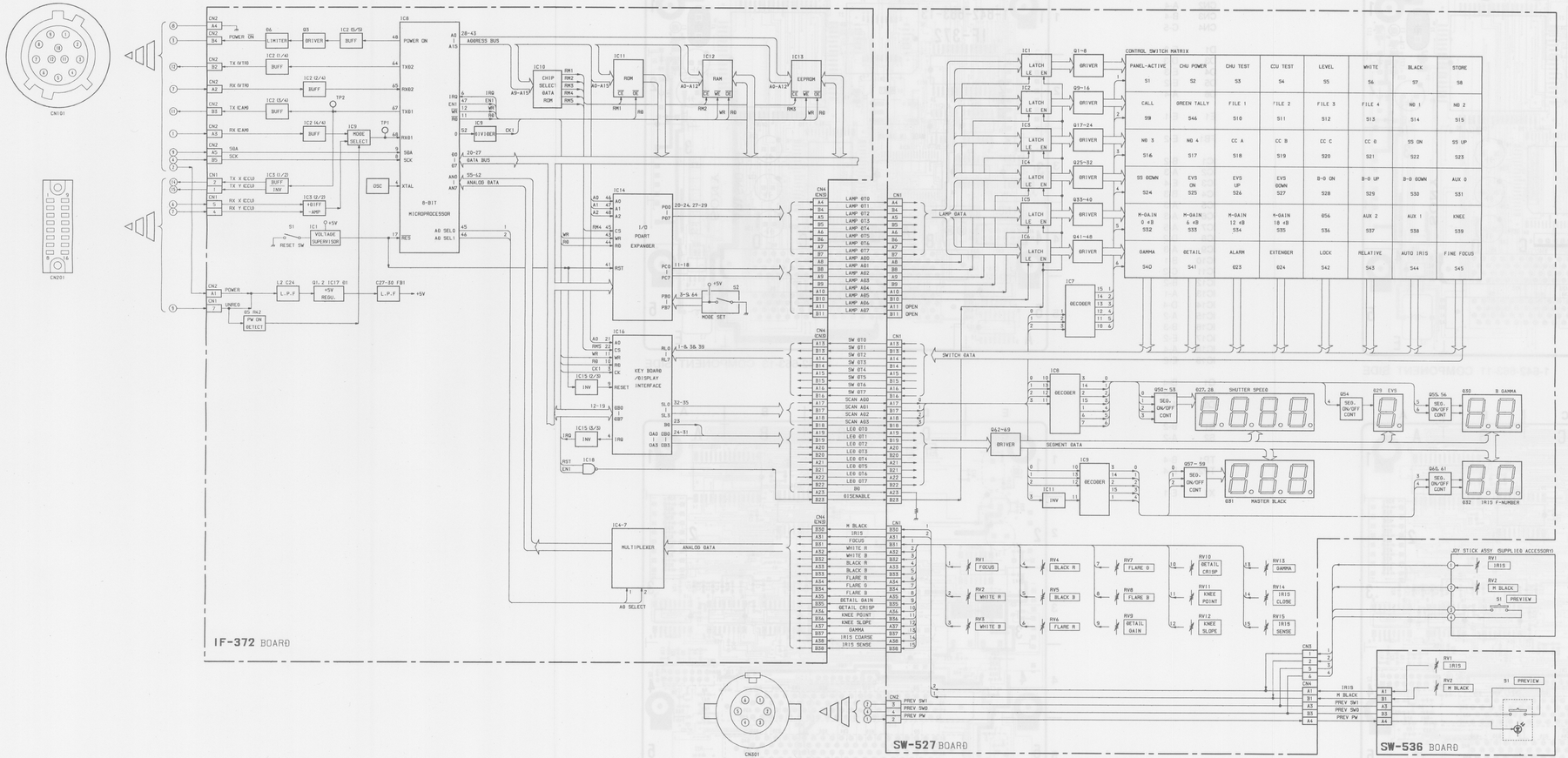
SECTION A
DIAGRAMS

BOARD LAYOUT



OVERALL BLOCK

OVERALL BLOCK



HDCR-350 OVERALL BLOCK

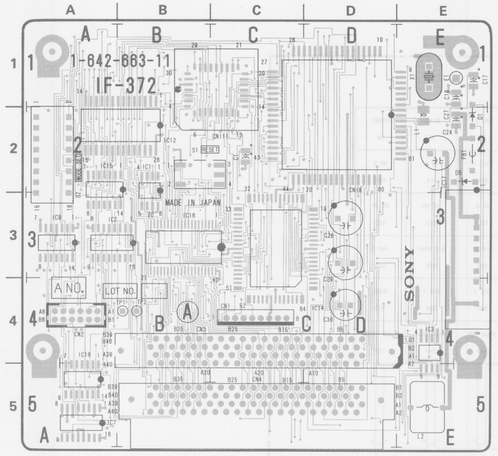
HDCR-350 (W.W)

IF-372 IF-372

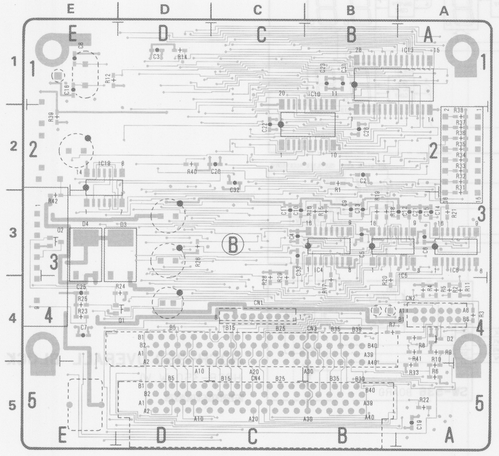
IF-372 BOARD Ser No.10001-10200

IF-372 (1-642-663-11)

CN1	C-4
CN2	A-4
CN3	B-4
CN4	C-5
D1	E-2
D2	A-4
D3	E-3
D4	E-3
D5	E-2
E1	E-1
FB1	E-2
IC1	B-2
IC2	A-3
IC3	E-4
IC4	B-3
IC5	A-4
IC6	A-3
IC7	A-5
IC8	D-2
IC9	A-3
IC10	B-1
IC11	C-2
IC12	B-2
IC13	A-1
IC14	D-4
IC15	A-2
IC16	B-3
IC17	E-2
IC18	A-4
IC19	E-2
Q1	D-4
Q2	E-3
S1	B-2



1-642-663-11 COMPONENT SIDE

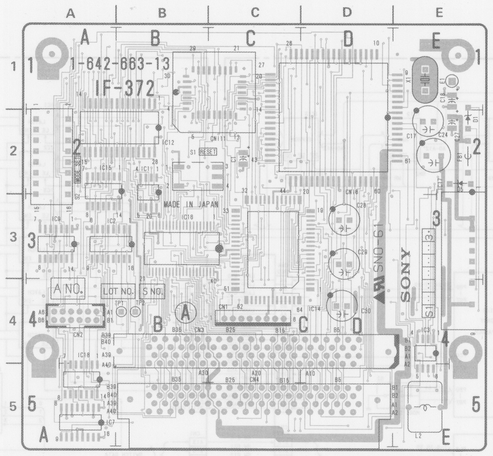


1-642-663-11 SOLDERING SIDE

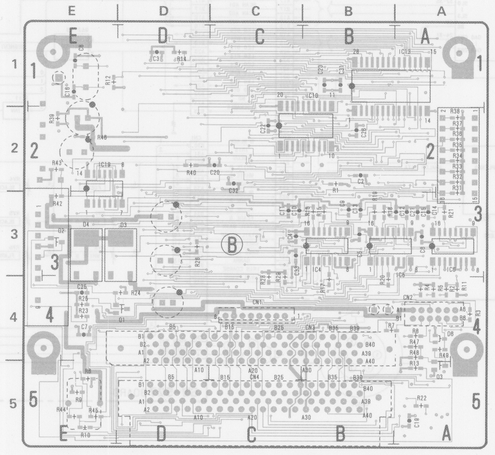
IF-372 BOARD Ser No.10201-

IF-372 (1-642-663-13)

CN1	C-4
CN2	A-4
CN3	B-4
CN4	C-5
D1	E-2
D3	D-3
D4	E-3
D5	E-2
D6	A-4
E1	E-1
FB1	E-2
IC1	B-2
IC2	A-3
IC3	E-4
IC4	B-3
IC5	A-3
IC6	A-3
IC7	A-5
IC8	D-2
IC9	A-3
IC10	B-1
IC11	C-2
IC12	B-2
IC13	A-1
IC14	D-4
IC15	A-2
IC16	B-3
IC17	E-2
IC18	A-4
IC19	E-2
Q1	D-4
Q2	E-3
Q3	A-5
S1	B-2
S2	A-2
TP1	B-4
TP2	B-4
X1	E-1

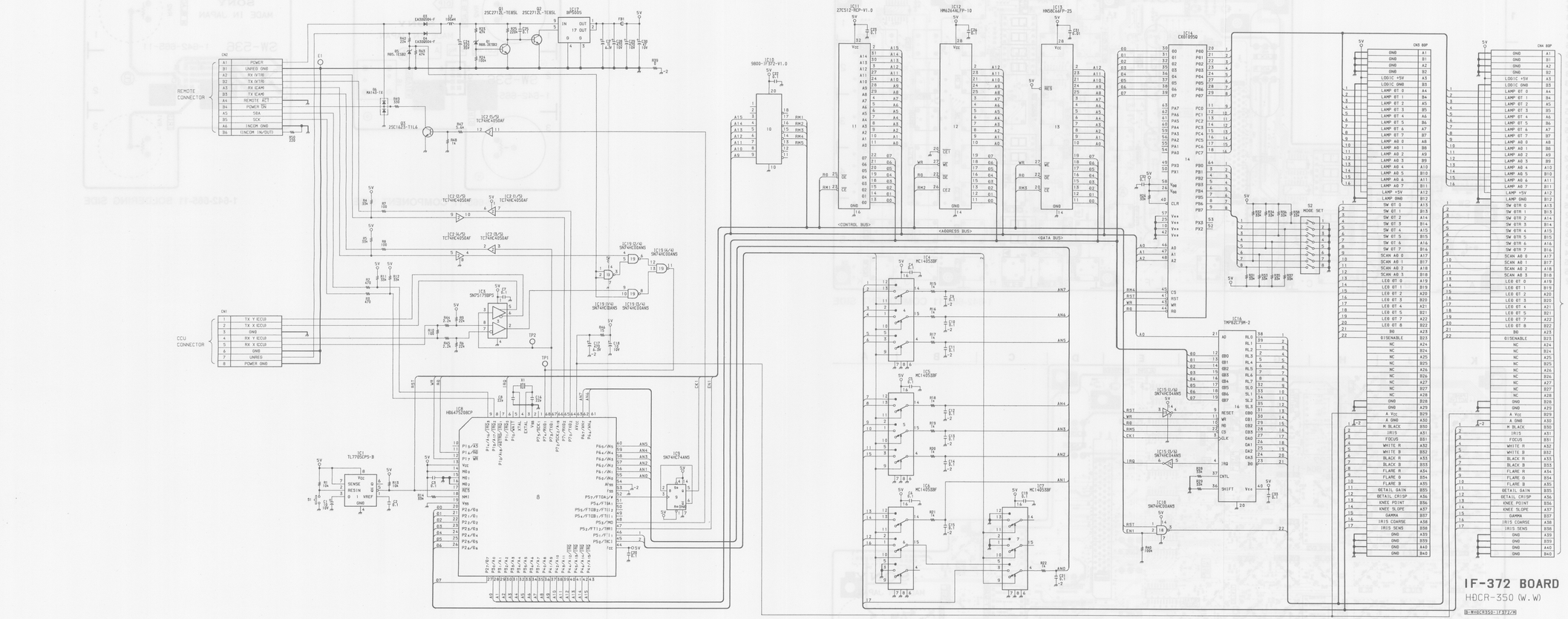


1-642-663-13 COMPONENT SIDE



1-642-663-13 SOLDERING SIDE

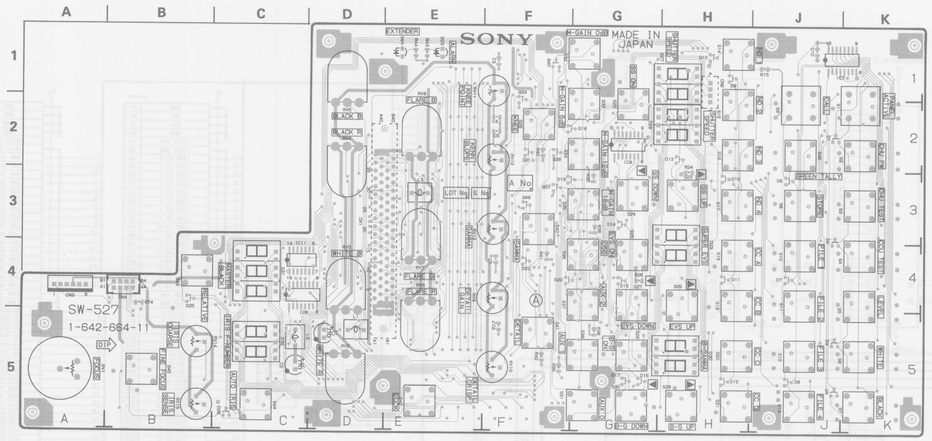
IF-372 BOARD


REMOTE CONNECTOR
CCU CONNECTOR
<CONTROL BUS>
<ADDRESS BUS>
<DATA BUS>
TO SW-527 BOARD
IF-372 BOARD
HDCR-350 (W.W)

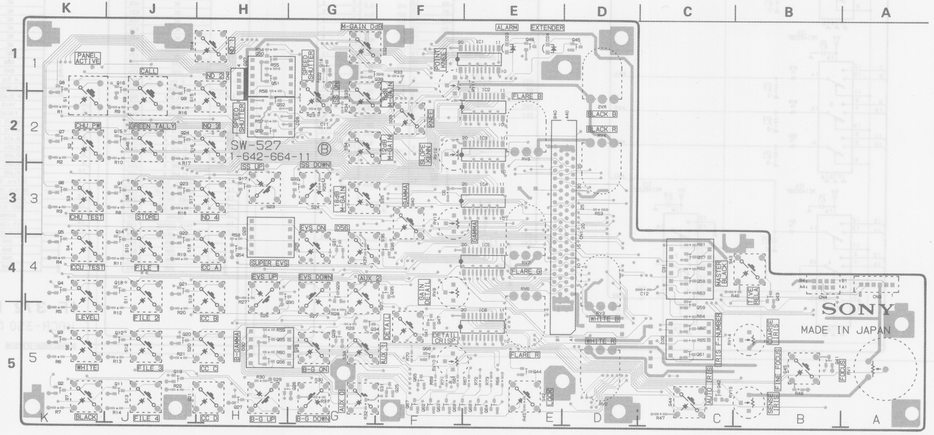
SW-527 BOARD

SW-527 (1-642-664-11)

CN1	D-3	Q22	J-3	S14	H-1
		Q23	J-3	S15	H-2
D1	J-2	Q24	J-2	S16	H-2
D2	J-3	Q25	F-5	S17	H-3
D3	J-5	Q26	G-5	S18	H-4
D4	J-5	Q27	H-5	S19	H-4
D5	J-3	Q28	G-5	S20	H-5
D7	J-4	Q29	G-4	S21	H-5
D8	J-5	Q30	H-4	S22	G-2
D9	H-2	Q31	G-4	S23	H-3
D10	H-3	Q32	G-3	S24	G-3
D11	H-4	Q33	F-1	S26	H-4
D12	H-5	Q34	G-5	S27	G-4
D13	H-2	Q35	F-4	S28	G-5
D14	G-3	Q36	F-4	S29	H-5
D15	G-4	Q37	F-3	S30	G-5
D16	G-5	Q38	F-2	S31	F-5
D17	G-5	Q39	G-1	S32	F-1
D18	G-2	Q40	F-1	S33	G-2
D19	F-3	Q41	B-5	S34	F-2
D20	F-4	Q42	C-5	S35	F-3
D21	F-2	Q43	B-4	S36	F-4
D22	F-4	Q44	E-5	S37	F-4
D23	E-1	Q45	D-1	S38	G-5
D24	E-1	Q46	E-1	S39	F-2
D25	B-4	Q47	F-5	S40	F-3
D26	C-5	Q48	F-3	S41	F-5
D27	H-1	Q50	H-1	S42	E-5
D28	G-2	Q51	H-1	S43	B-4
D29	H-4	Q52	H-2	S44	C-5
D30	H-5	Q53	H-2	S45	B-5
D31	C-4	Q54	H-4	S46	J-2
D32	C-5	Q55	H-5		
		Q56	H-5		
IC1	E-1	Q57	C-4		
IC2	E-1	Q58	C-4		
IC3	E-2	Q59	C-5		
IC4	E-3	Q60	C-5		
IC5	E-4	Q61	C-5		
IC6	E-5	Q62	F-5		
IC7	K-1	Q63	F-5		
IC8	G-2	Q64	E-5		
IC9	C-5	Q65	F-5		
IC11	C-4	Q66	F-5		
		Q67	F-5		
Q1	J-3	Q68	F-5		
Q2	K-5	Q69	E-5		
Q3	K-5				
Q4	K-4	RV1	A-5		
Q5	K-3	RV2	D-5		
Q6	K-3	RV3	D-4		
Q7	K-2	RV4	D-2		
Q8	K-1				
Q9	J-2	S1	K-2		
Q10	H-1	S2	K-2		
Q11	J-5	S3	K-3		
Q12	J-5	S4	K-4		
Q13	J-4	S5	K-4		
Q14	J-3	S6	K-5		
Q15	J-2	S7	K-5		
Q16	J-1	S8	J-3		
Q17	H-3	S9	J-2		
Q18	G-1	S10	J-4		
Q19	J-5	S11	J-4		
Q20	J-5	S12	J-5		
Q21	J-4	S13	J-5		

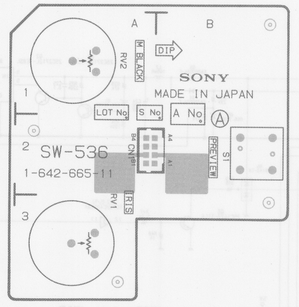


1-642-664-11 COMPONENT SIDE

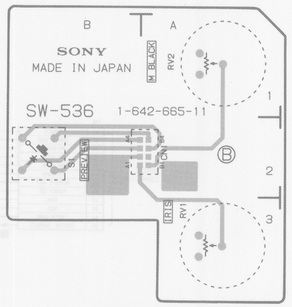


1-642-664-11 SOLDERING SIDE

SW-536 BOARD



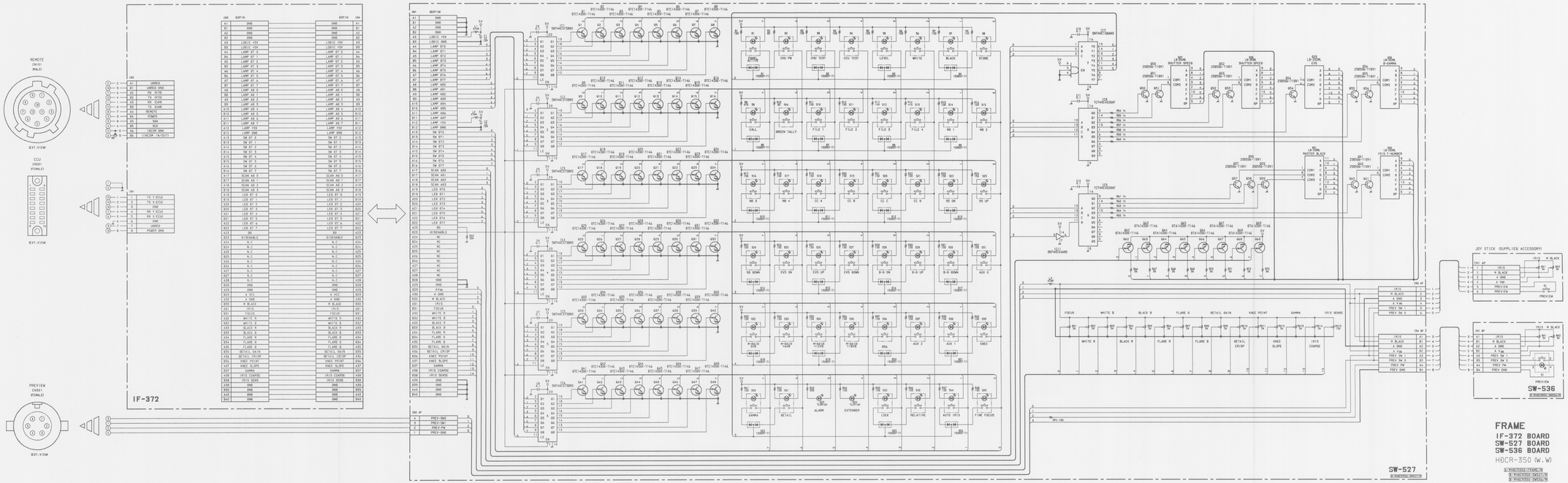
1-642-665-11 COMPONENT SIDE



1-642-665-11 SOLDERING SIDE

FRAME

IF-372 BOARD
SW-527 BOARD
SW-536 BOARD



HDCR-350

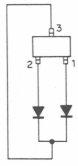
A-7 A-7 A-7 A-7

SECTION B
SEMICONDUCTOR

The circuit diagram of IC is obtained from the IC data book published by the manufacturer.

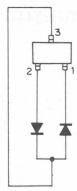
TYPE	PAGE	TYPE	PAGE
1S2837	B-2	TL7705CPS-B	B-8
1SS226	B-2	TLUR164	B-2
		TLUY164	B-2
2SC2712	B-2		
		TMP82C79M-2	B-8
2SD596	B-2		
AM27C512-150LI	B-3		
CXD1095Q	B-3		
DTA143XK	B-2		
DTC143XK	B-2		
EA30QS04-F	B-2		
GL-3H8Y	B-2		
HD14053BFP	B-4		
HD6475208CP	B-4		
HM6264ALFP-10	B-6		
HN58C66FP-25	B-6		
LB-202ML	B-2		
LB-203ML	B-2		
MA143	B-2		
MA152WK	B-2		
MC14053BF	B-4		
MC74HC4050F	B-6		
RD??ESB?	B-2		
SN74HC00ANS	B-6		
SN74HC04ANS	B-7		
SN74HC138ANS	B-7		
SN74HC573BNS	B-7		
SN74HC74ANS	B-7		
SN75179BPS	B-7		
TC74HC4028F	B-7		
TC74HC4050AF	B-6		
TC9800FW	B-8		

(SCALE 4/1)
TOP VIEW



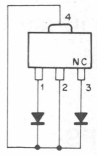
1S2837
MA152WK

(SCALE 4/1)
TOP VIEW

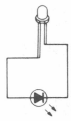


1SS226

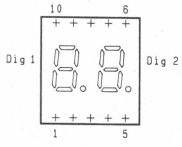
TOP VIEW (SCALE 4/1)



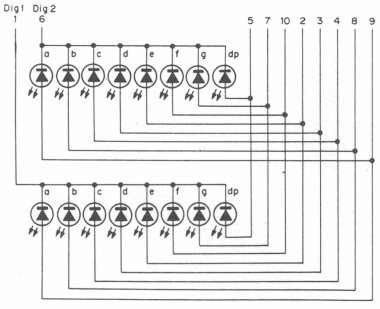
EA30QS04-F



GL-3HY8 ; YELLOW
TLUR164 ; RED
TLUY164 ; YELLOW

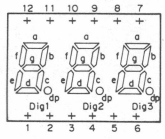


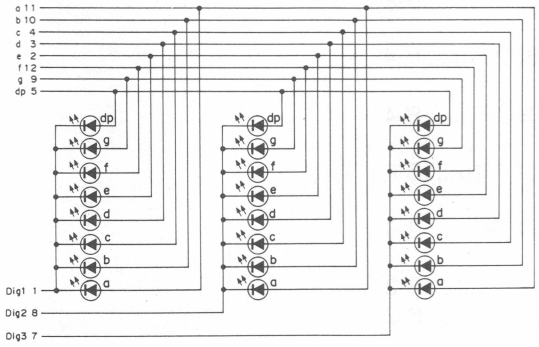
LB-202ML ; GREEN



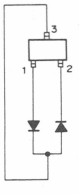
LB-203ML ; GREEN

TRIPLE 7-SEGMENT LED
– TOP VIEW –





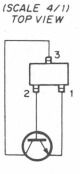
(SCALE 4/1)
TOP VIEW



MA143

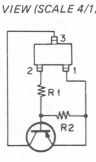
RD ? ?ESB ?

(SCALE 4/1)
TOP VIEW



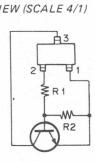
2SC2712
2SD596

TOP VIEW (SCALE 4/1)



DTA143XK
(R1 = 4.7K, R2 = 10K)

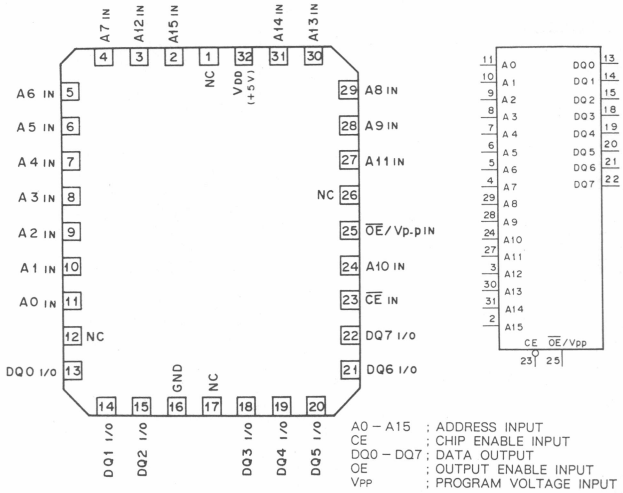
TOP VIEW (SCALE 4/1)



DTC143XK (R1 = 4.7K, R2 = 10K)

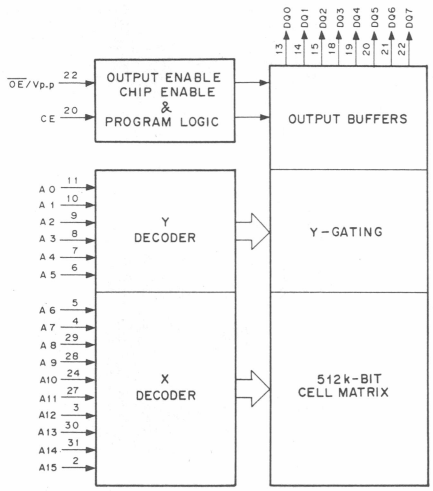
AM27C512-150LI (AMD)

C-MOS 512K (65,536x8)-BIT UV EPROM
– TOP VIEW –



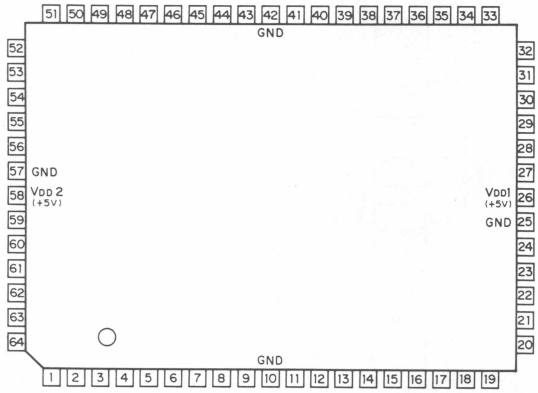
An	CE	OE/VPP	VDD	Dn	FUNCTION
AIN	0	0	+5V	DOUT	READ
AIN	0	1	+5V	HI-Z	OUTPUT DISABLE
×	1	×	+5V	HI-Z	STANDBY
AIN	0	+12.5V	+6V	DIN	PGM
AIN	0	0	+6V	DOUT	PGM VERIFY
×	1	+12.5V	+6V	HI-Z	PGM INH

0 : LOW LEVEL
1 : HIGH LEVEL
×: DON'T CARE
HI-Z: HIGH IMPEDANCE

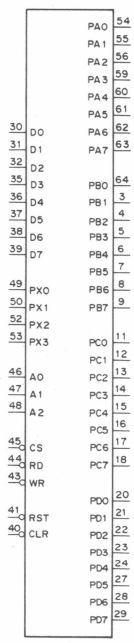


CXD1095Q (SONY) FLAT PACKAGE

C-MOS I/O PORT EXPANDER
– TOP VIEW –



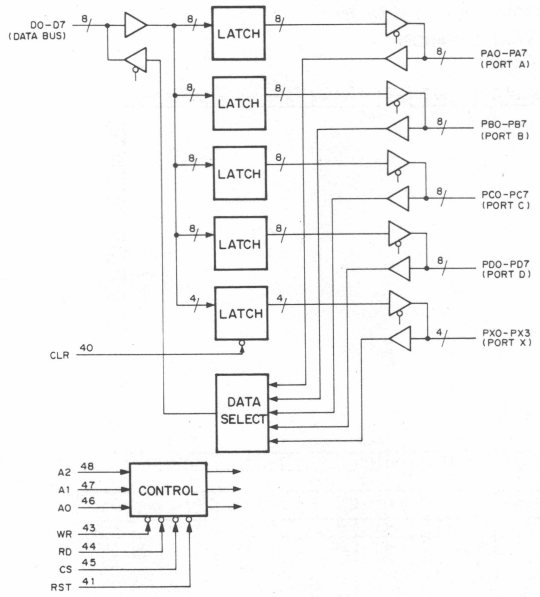
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	O	O	PC6	33			NC	49	O	O	PX0
2			NC	18	O	O	PC7	34			NC	50	O	O	PX1
3	O	O	PB1	19			NC	35	O	O	D3	51			NC
4	O	O	PB2	20	O	O	PD0	36	O	O	D4	52	O	O	PX2
5	O	O	PB3	21	O	O	PD1	37	O	O	D5	53	O	O	PX3
6	O	O	PB4	22	O	O	PD2	38	O	O	D6	54	O	O	PA0
7	O	O	PB5	23	O	O	PD3	39	O	O	D7	55	O	O	PA1
8	O	O	PB6	24	O	O	PD4	40	O		CLR	56	O	O	PA2
9	O	O	PB7	25			GND	41	O		RST	57			GND
10			GND	26	O		VDD (+5V)	42			GND	58	O		VDD (+5V)
11	O	O	PC0	27	O	O	PD5	43	O		WR	59	O	O	PA3
12	O	O	PC1	28	O	O	PD6	44	O		RD	60	O	O	PA4
13	O	O	PC2	29	O	O	PD7	45	O		CS	61	O	O	PA5
14	O	O	PC3	30	O	O	D0	46	O		A0	62	O	O	PA6
15	O	O	PC4	31	O	O	D1	47	O		A1	63	O	O	PA7
16	O	O	PC5	32	O	O	D2	48	O		A2	64	O	O	PB0



CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	——
0	0	1	1	1	0	——
0	0	1	1	1	1	——
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	——
0	1	0	1	1	0	DATA BUS → CTL REG.1
0	1	0	1	1	1	DATA BUS → CTL REG.2
1	X	X	X	X	X	DATA BUS ; HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z , HIGH IMPEDANCE

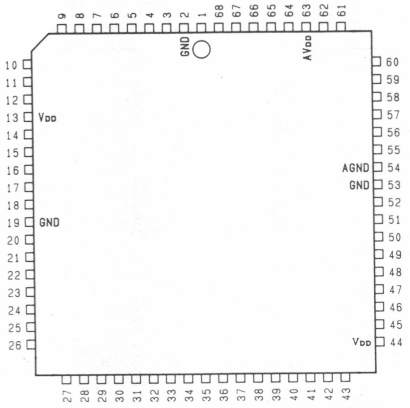
D0–D7 ; DATA BUS INPUTS/OUTPUTS
CS ; CHIP SELECT INPUT
RD ; READ STROBE INPUT
WR ; WRITE STROBE INPUT
A0–A2 ; ADDRESS INPUT
RST ; RESET INPUT
CLR ; CLEAR INPUT
PA0–PA7 ; PORT A INPUTS/OUTPUTS
PB0–PB7 ; PORT B INPUTS/OUTPUTS
PC0–PC7 ; PORT C INPUTS/OUTPUTS
PD0–PD7 ; PORT D INPUTS/OUTPUTS
PX0–PX3 ; PORT X INPUTS/OUTPUTS



HD6475208CP (HITACHI)

C-MOS MICRO COMPUTER UNIT

– TOP VIEW –

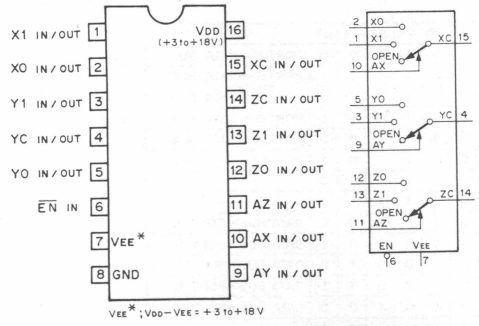


HD14053BFP (HITACHI) FLAT PACKAGE

MC14053BF (MOTOROLA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS

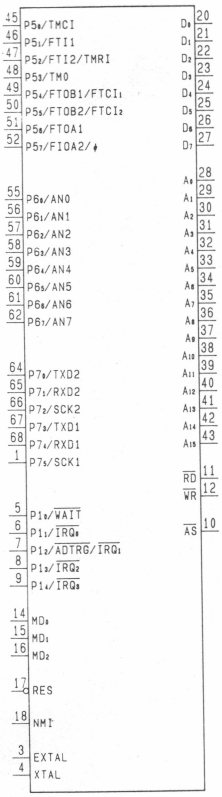
– TOP VIEW –



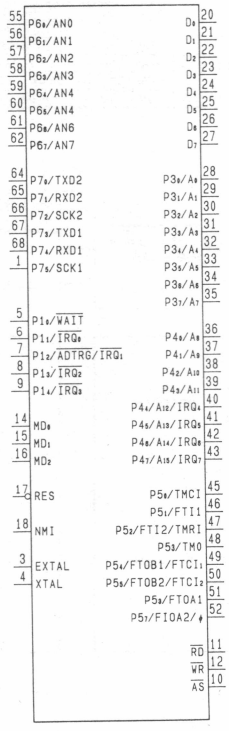
CONT. INPUTS		ON
EN	A (X,Y,Z,)	CHANNEL
0	0	0
0	1	1
1	X	OPEN

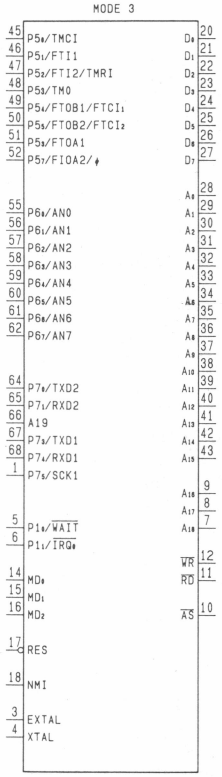
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE.

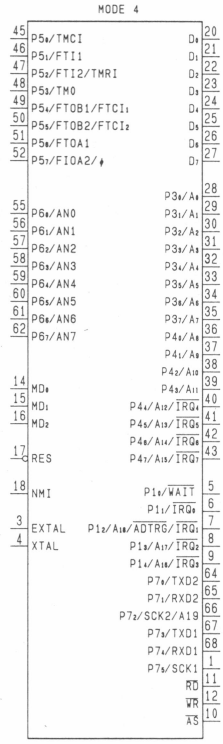
MODE 1

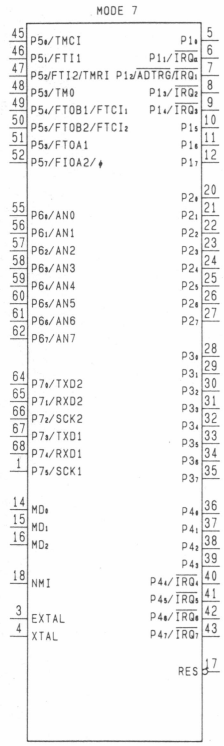


MODE 2

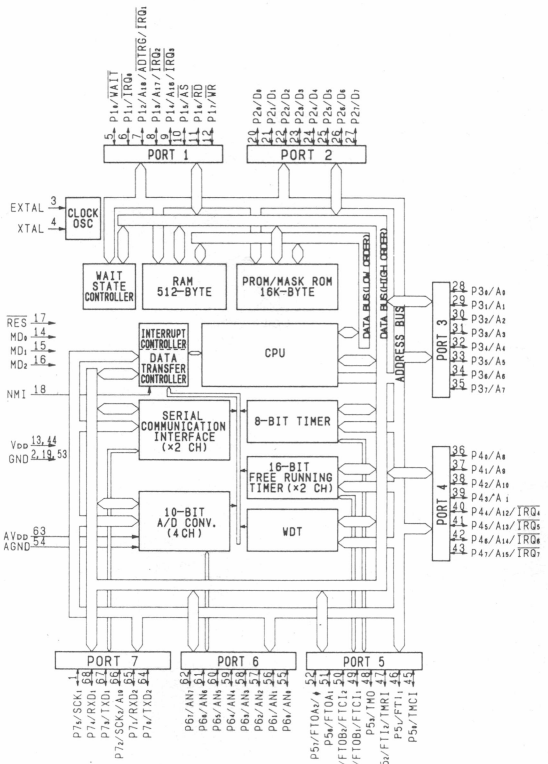








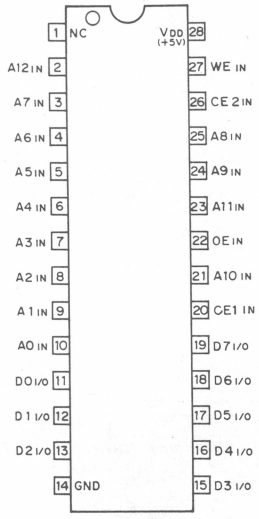
INPUTS			OPERATION MODE	CONTENTS
MD2	MD1	MD0		
0	0	1	MODE 1	EXTENSION MINIMUM MODE (ROM INVALID)
0	1	0	MODE 2	EXTENSION MINIMUM MODE (ROM VALID)
0	1	1	MODE 3	EXTENSION MAXIMUM MODE (ROM INVALID)
1	0	0	MODE 4	EXTENSION MAXIMUM MODE (ROM VALID)
1	1	1	MODE 7	SINGLE CHIP MODE

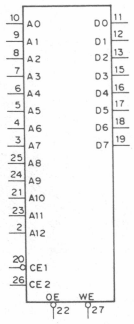


HM6264ALFP-10 (HITACHI) (ACCESS TIME = 100nS)

C-MOS 64K (8192x8)-BIT STATIC RAM

– TOP VIEW –



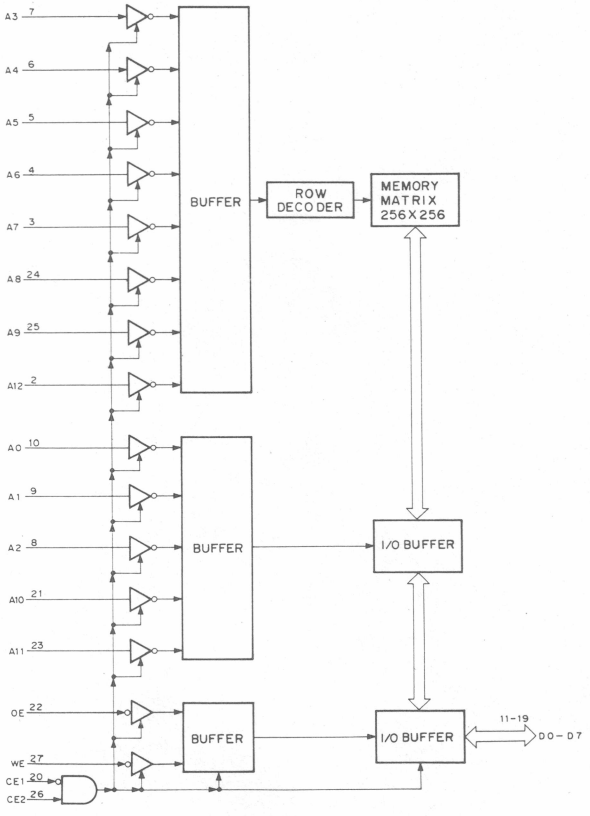


A0-A12 ; ADDRESS INPUTS
CE1,CE2 ; CHIP ENABLE 1,2 INPUTS
D0-D7 ; DATA INPUTS/OUTPUTS
OE ; OUTPUT ENABLE INPUT
WE ; WRITE ENABLE INPUT

MODE SELECTION

CONTROL INPUTS				MODE
CE1	CE2	OE	WE	
1	X	X	X	NO CHANGE
X	0	X	X	NO CHANGE
0	1	1	1	DISABLE OUTPUT
0	1	0	1	READ
0	1	X	0	WRITE

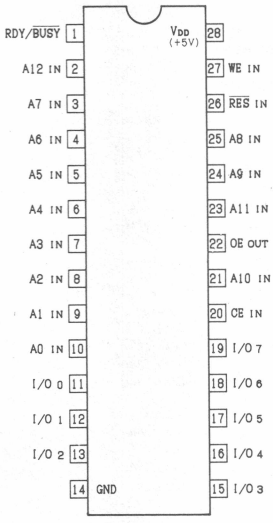
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

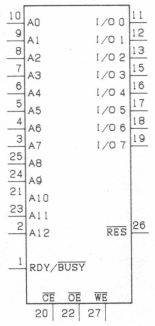


HN58C66FP-25 (HITACHI)

C-MOS 64K (8192x8)-BIT EEPROM

– TOP VIEW –





A0-A12 ; ADDRESS INPUTS
CE ; CHIP ENABLE INPUT
I/O0-I/O7 ; DATA INPUTS/OUTPUTS
OE ; OUTPUT ENABLE
RDY/BUSY ; READY/BUSY OUTPUT
WE ; WRITE ENABLE INPUT
RES ; PROGRAM RESET INPUT

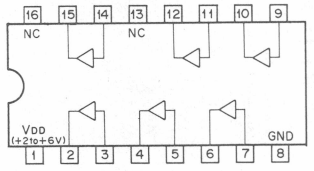
CE	OE	WE	RDY/BUSY	RES	I/O TERMINAL	FUNCTION
0	0	1	HI-Z	1	DOUT	READ
1	X	X	HI-Z	X	HI-Z	STANDBY
0	1	0	HI-Z→LOW	1	DIN	WRITE
0	1	1	HI-Z	1	HI-Z	DESELECT
X	X	1	HI-Z	X	-	WRITE INH
X	0	X	HI-Z	X	-	WRITE INH
0	0	1	LOW	1	DATA OUT(I/07)	DATA POLLING
X	X	X	HI-Z	0	HI-Z	PROGRAM RESET

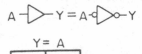
0:LOW LEVEL
1:HIGH LEVEL
X:DON'T CARE
HI-Z:HIGH IMPEDANCE

MC74HC4050F (MOTOROLA) FLAT PACKAGE
TC74HC4050AF (TOSHIBA) FLAT PACKAGE

C-MOS NON-INVERTING TYPE BUFFER/CONVERTER

– TOP VIEW –





Y = A

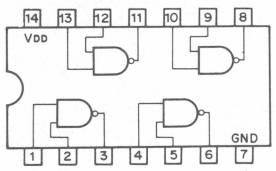
A	Y
0	0
1	1

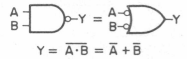
0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74HC00ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-INPUT NAND GATES

– TOP VIEW –





A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

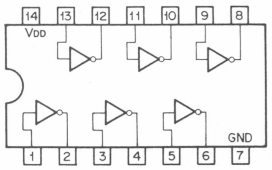
0 ; LOW LEVEL
1 ; HIGH LEVEL

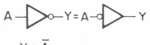
NOTE :

TYPE	VDD
TC74AC00 TYPE	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC04ANS (TI) FLAT PACKAGE

C-MOS HEX INVERTERS
– TOP VIEW –





$Y = \overline{A}$

A	Y
0	1
1	0

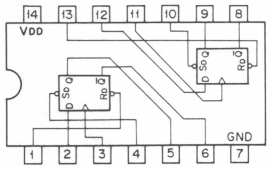
0 ; LOW LEVEL
1 ; HIGH LEVEL

NOTE :

TYPE	VDD
74HCT04 TYPE	+5V
TC74AC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

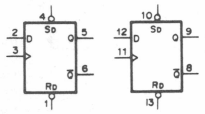
SN74HC74ANS (TI) FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
– TOP VIEW –



INPUTS				OUTPUTS	
$\overline{S_D}$	$\overline{R_D}$	CK	D	Qn+1	$\overline{Qn+1}$
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1	1
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	X	Qn	$\overline{Qn}$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

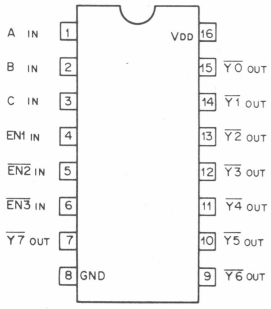


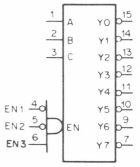
NOTE :

TYPE	VDD
TC74HCT74AF	+5V
TC74AC74 TYPE	+2 to +5.5V
74ACT74 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC138ANS (TI) FLAT PACKAGE

C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER
– TOP VIEW –





INPUTS				OUTPUTS							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

$EN = \overline{EN1} \cdot \overline{EN2} \cdot EN3$

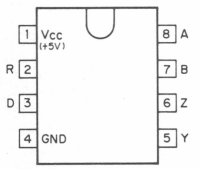
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

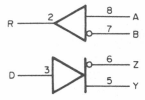
NOTE :

TYPE	VDD
74HCT138 TYPE	+5V
74ACT138 TYPE	+4.5 to +5.5V
TC74AC138 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

SN75179BPS (TI) FLAT PACKAGE

DIFFERENTIAL BUS DRIVER/RECEIVER
– TOP VIEW –





– DRIVER –

INPUT	OUTPUTS	
D	Y	Z
H	H	L
L	L	H

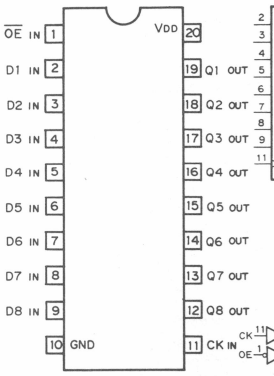
– RECEIVER –

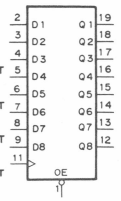
DIFFERENTIAL INPUTS A–B	OUTPUTS R
$V_{ID} \geqq 0.2V$	H
$-0.2V < V_{ID} < 0.2V$	?
$V_{ID} \leqq -0.2V$	L

H=HIGH LEVEL L=LOW LEVEL ?=INDETERMINATE

SN74HC573BNS (TI) FLAT PACKAGE

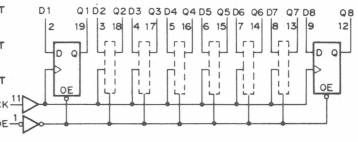
C-MOS 3-STATE OUTPUTS OCTAL LATCHES
– TOP VIEW –





INPUTS			OUT
OE	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	X	Q_0
1	X	X	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
Q_0 ; NO CHANGE

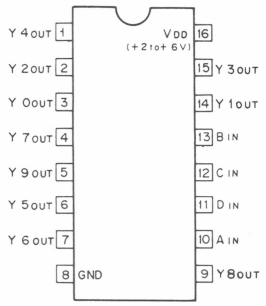


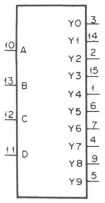
NOTE :

TYPE	VDD
AC	+2 to +6V
HC	
ACT	+5V
HCT	
TC74AC573	+2 to +5.5V

TC74HC4028F (TOSHIBA) FLAT PACKAGE

C-MOS BCD TO DECIMAL DECODER
– TOP VIEW –



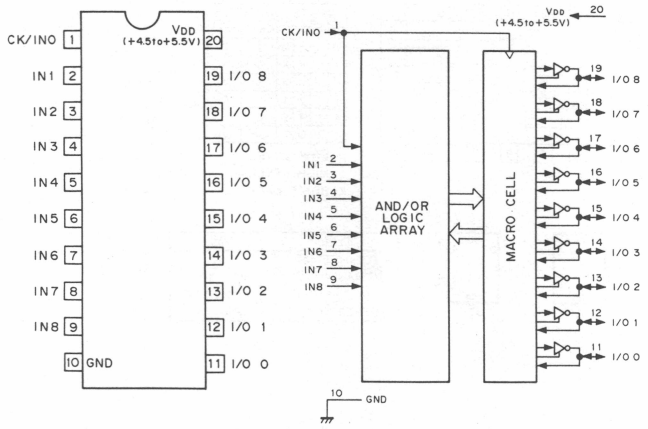


STATE	INPUTS				OUTPUTS									
	D	C	B	A	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	1	0	0	0	0	0	0	0
3	0	0	1	1	0	0	0	1	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	1	0	0	0	0	0
5	0	1	0	1	0	0	0	0	0	1	0	0	0	0
6	0	1	1	0	0	0	0	0	0	0	1	0	0	0
7	0	1	1	1	0	0	0	0	0	0	0	1	0	0
8	1	X	X	0	0	0	0	0	0	0	0	0	1	0
9	1	X	X	1	0	0	0	0	0	0	0	0	0	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC9800FW (TOSHIBA)

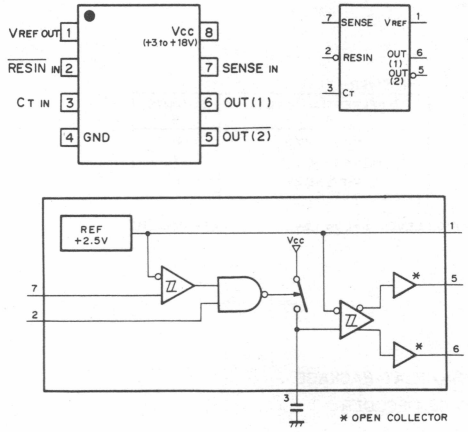
C-MOS ELECTRICALLY ERASABLE PROGRAMMABLE LOGIC DEVICE
– TOP VIEW –



* ABOVE DIAGRAM SHOWS CONDITIONS BEFORE PROGRAMMING.

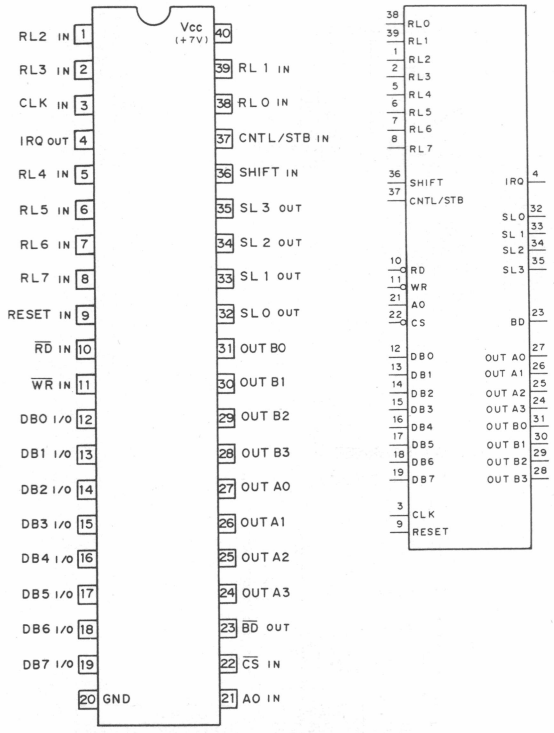
TL7705CPS-B (TI) FLAT PACKAGE

POWER VOLTAGE SUPERVISOR
– TOP VIEW –

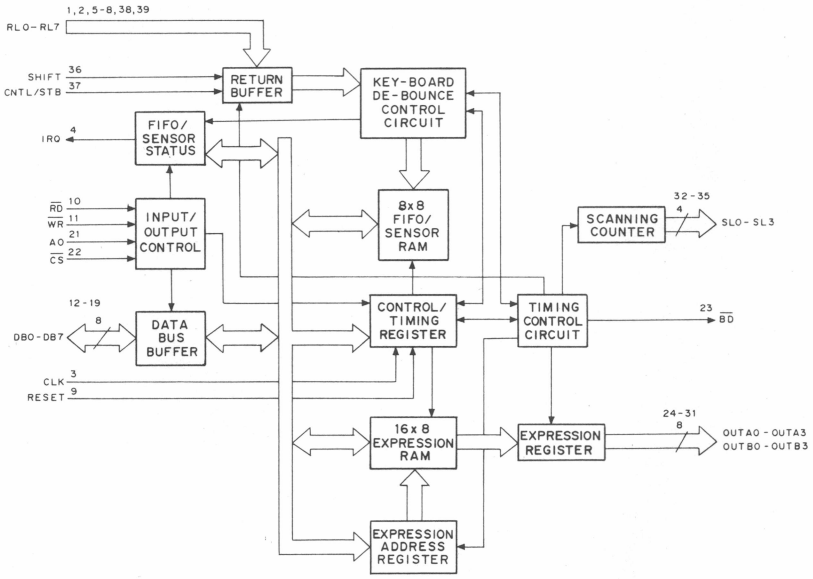


TMP82C79M-2 (TOSHIBA) FLAT PACKAGE

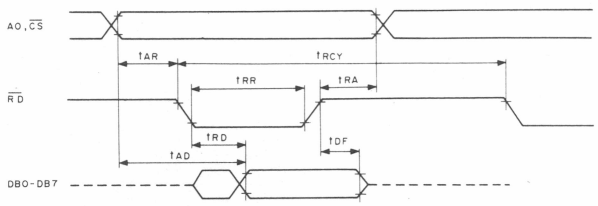
C-MOS PROGRAMABLE KEY-BOARD/DISPLAY INTERFACE DEVICE
– TOP VIEW –



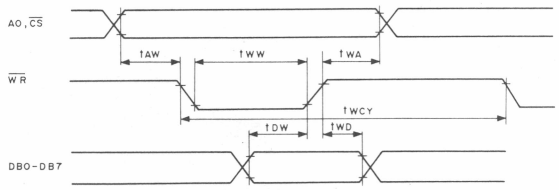

```
      A0 ; COMMAND/DATA CONTROL INPUT
      BD ; DISPLAY BLANKING OUTPUT
     CLK ; CLOCK INPUT
 CNTL/STB ; CONTROL/STROBE INPUT
      CS ; CHIP SELECT INPUT
 DB0-DB7 ; DATA BUS INPUT/OUTPUT
     IRQ ; INTERRUPT REQUEST OUTPUT
OUT A0-A3
OUT B0-B3 ; 16x4 BIT EXPRESSION REFRESH REGISTER
      RD ; READ STROBE INPUT
   RESET ; RESET INPUT
RL0-RL7 ; RETURN LINE INPUT
   SHIFT ; SHIFT INPUT
SL0-SL3 ; SCANNING LINE OUTPUT
      WR ; WRITE STROBE INPUT
```



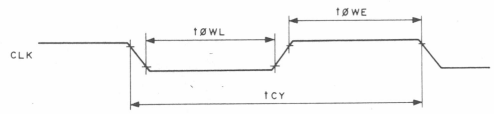
READ



WRITE

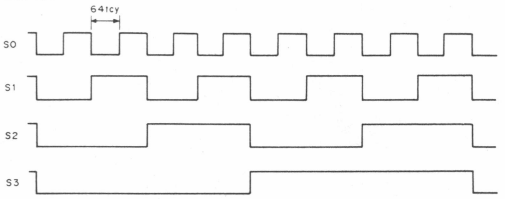


CLOCK

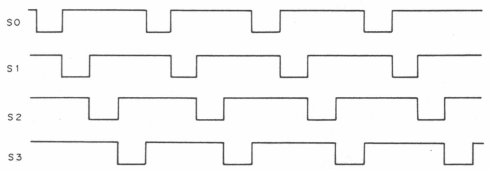


SCANNING

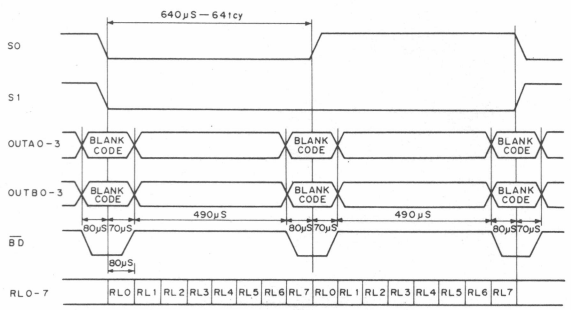
ENCODE



DECODE



EXPRESSION



SECTION C
SPARE PARTS

PARTS INFORMATION

1. **Safety Related Component Warning**
   Components identified by shading marked with ⚠ on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose parts numbers appear as shown in this manual or in service manual supplements published by Sony.

2. Replace Parts that are supplied from Sony Parts Center can sometimes have different shape and external appearance than what are actually used in equipment. This is due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts."
   - This manual's exploded view and electrical spare parts lists are indicating the parts numbers of "the standardized genuine parts at present."
   - Regarding engineering parts and diagrams changes in our engineering department, refer to Sony service bulletins and service manual supplements.

3. The parts marked with "S" in the SP column of the exploded views and electrical spare parts list are normally required for routine service work. Orders for parts marked with "O" will be processed, but allow for additional delivery time.

4. Item with no parts number and/or no description are not stocked because they are seldom required for routine service.

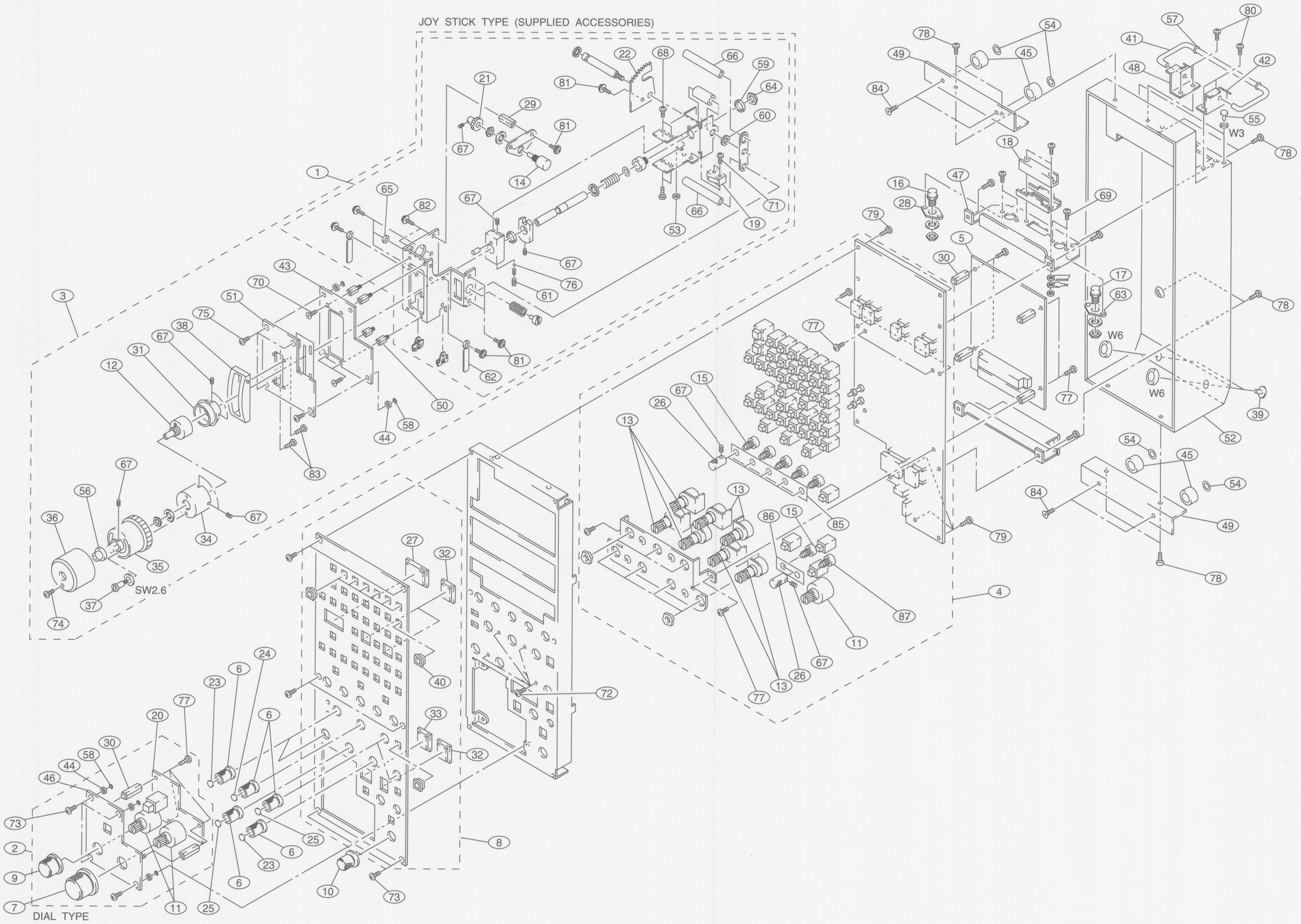
5. All capacitors are in micro farads unless otherwise specified.
   All inductors are in micro henries unless otherwise specified.
   All resistors are in ohms.

EXPLODED VIEW

No.	Part No.	SP	Description
1	A-7612-369-B	o	JOY STICK ASSY
2	A-8262-508-A	o	PANEL (D) ASSY
3	A-8262-509-A	o	PANEL (J) ASSY
4	A-8271-399-A	o	MOUNTED CIRCUIT BOARD, SW-527
5	A-8271-400-A	o	MOUNTED CIRCUIT BOARD, IF-372
6	X-2355-502-1	s	KNOB ASSY, CONTROL
7	X-2387-004-1	s	KNOB ASSY
8	X-3166-716-1	o	PANEL ASSY, CONTROL
9	X-3651-342-0	s	KNOB ASSY, CONTROL
10	X-3673-635-0	s	KNOB (1) ASSY, CONTROL
11	1-224-981-21	s	RES, VAR, CERMET 5K "FINE FOCUS" "MASTER BLACK" "IRIS"
12	1-224-981-31	s	RES, VAR, CERMET 5K
13	1-230-138-00	s	RES, VAR, CARBON 5K "BLACK BAL" "WHITE BAL" "FLARE"
14	1-230-817-11	s	RES, VAR, CARBON 5K
15	1-238-292-11	s	RES, VAR, CARBON 5K "KNEE" "GAMMA" "DETAIL"
16	1-561-795-00	s	SOCKET, CONNECTOR 6P "PREVIEW"
17	1-562-335-00	s	CONNECTOR, 12P MALE "REMOTE"
18	1-564-968-11	s	CONNECTOR, MULTI (SQUARE) 16P "CCU"
19	1-570-504-11	s	SWITCH, MICRO
20	1-642-665-11	o	PRINTED CIRCUIT BOARD, SW-536
21	2-141-013-01	o	GEAR (A), IRIS
22	2-141-014-01	o	GEAR (B), IRIS
23	2-141-015-01	o	PLATE, COLOR (R)
24	2-141-015-11	o	PLATE, COLOR (G)
25	2-141-015-21	o	PLATE, COLOR (B)
26	2-141-017-01	s	KNOB, RV
27	2-141-032-01	o	COVER (SHUTTER), LED
28	2-249-395-02	o	NUT, PLATE, 4P
29	2-280-622-41	o	SUPPORT (M3), HEXAGON
30	2-280-622-51	o	SUPPORT (M3), HEXAGON
31	2-356-547-01	o	TUBE, LEVER FIXED
32	2-356-548-01	o	COVER (1), LED
33	2-356-549-01	o	COVER (2), LED
34	2-356-558-01	o	TUBE, FIXED, VR
35	2-356-559-01	o	TUBE, ADJUSTMENT
36	2-356-560-01	o	TUBE, COVER
37	2-356-561-01	o	SHAFT, FIXED, COVER
38	2-356-571-01	o	ESCUTCHEON, LEVER
39	2-379-883-01	o	CLIP
40	3-175-400-01	o	GUARD (SQUARE 6-2), SWITCH
41	3-176-247-01	o	FOOT, GUARD
42	3-176-248-02	o	HOLDER (R), GUARD
43	3-176-249-01	o	PANEL (J2)
44	3-176-250-01	s	COLLAR
45	3-176-251-01	s	SPACER (A)
46	3-176-253-02	o	PANEL (D)
47	3-176-254-02	o	PANEL, CN
48	3-176-255-02	o	HOLDER (L), GUARD
49	3-176-256-01	o	ANGLE (136), RACK
50	3-176-257-01	o	SUPPORT (J)
51	3-176-260-01	o	PANEL (J1)
52	3-176-261-02	o	COVER
53	3-306-006-00	s	CUSHION, MOTOR
54	3-323-240-01	s	WASHER, RUBBER
55	3-531-576-01	s	RIVET
56	3-657-810-00	s	BEARING (LF1280ZZ), BALL
57	3-669-946-00	s	RING (P4), O
58	3-672-250-00	s	RING (M2.6), O
59	3-692-963-01	s	WASHER (A)
60	3-701-444-21	s	WASHER, 6
61	3-701-510-00	s	SET SCREW, DOUBLE POINT 4X4
62	3-701-822-00	o	HOLDER, WIRE
63	3-710-002-01	o	BRACKET
64	3-712-653-01	s	NUT (M8), TUBE
65	4-812-554-00	s	WASHER
66	4-870-261-00	o	SUPPORT
67	7-621-734-09	s	SET-SCT,HEX. 2.6X3
68	7-621-771-06	s	SCREW +B 2X5
69	7-621-775-10	s	SCREW +B 2.6X4
70	7-627-454-17	s	SCREW, PRECISION +K 2.6X4
71	7-627-553-98	s	SCREW, PRECISION +P 2X8
72	7-627-556-37	s	SCREW,PRECISION +P2.6X4 TYPE 1
73	7-627-556-58	s	SCREW +P 2.6X5
74	7-627-556-78	s	SCREW,PRECISION +P 2.6X6 TYPE1
75	7-627-557-48	s	SCREW,PRECISION +P2.6X10 TYPE1
76	7-671-155-01	s	STEEL BALL 3.0
77	7-682-545-04	s	SCREW +B 3X4
78	7-682-545-09	s	SCREW +B 3X4
79	7-682-546-04	s	SCREW +B 3X5
80	7-682-546-09	s	SCREW +B 3X5
81	7-682-903-01	s	SCREW +PWH 3X5
82	7-682-947-01	s	SCREW +PSW 3X6
83	7-685-134-19	s	SCREW +P 2.6X8 TYPE2
84	7-682-249-09	s	SCREW +K 3X10
85	3-178-300-01	o	REINFORCEMENT (A), VR
86	3-178-301-01	s	REINFORCEMENT (B), VR
87	1-237-955-11	S	RES, VAR CARBON 10K "IRIS"
	7-623-207-22	s	SW 2.6 TYPE2
	7-688-003-02	s	WASHER 3 SMALL
	7-688-006-12	s	WASHER 6 MIDOLE

HD CAMERA REMOTE CONTROL PANEL

HD CAMERA REMOTE CONTROL PANEL



C - 3

IF-372 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8271-400-A	o	MOUNTED CIRCUIT BOARD, IF-372
C1	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C4	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C5	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C8	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C9	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C10	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C11	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C13	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C15	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C16	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C17	1-126-925-11	s	ELECT 470uF 20% 10V
C18	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C19	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C20	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C21	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C22	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C23	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C24	1-126-949-11	s	ELECT 220uF 20% 35V
C25	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C26	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C27	1-135-157-21	s	TANTALUM, CHIP 10uF 10% 6.3V
C28	1-126-925-11	s	ELECT 470uF 20% 10V
C29	1-126-925-11	s	ELECT 470uF 20% 10V
C30	1-127-531-11	s	ELECT 20 16V
C31	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C32	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C33	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-506-473-11	o	CONNECTOR, 8P, MALE
CN2	1-580-535-11	o	CONNECTOR, 12P, MALE
CN3	1-580-341-21	o	CONNECTOR, 80P, FEMALE
CN4	1-573-060-21	o	CONNECTOR, PC BOARD 80P
CNI8	1-540-253-11	s	SOCKET, IC (PLCC)
CNI11	1-540-151-11	s	SOCKET, IC
D1	8-719-110-08	s	DIODE RD8.2ES-B2
D3	8-719-023-53	s	DIODE EA30QS04-F
D4	8-719-023-53	s	DIODE EA30QS04-F
D5	8-719-109-85	s	DIODE RD5.1ES-B2
D6	8-719-800-76	s	DIODE 1SS226
FB1	1-535-178-00	s	BEAD, FERRITE
IC1	8-759-973-71	s	IC TL7705CPS-B
IC2	8-759-008-37	s	IC MC74HC4050F
IC3	8-759-054-56	s	IC SN75179BPS
IC4	8-759-300-71	s	IC MC14053BF
IC5	8-759-300-71	s	IC MC14053BF
IC6	8-759-300-71	s	IC MC14053BF
IC7	8-759-300-71	s	IC MC14053BF
IC8	8-759-054-59	s	IC HD6475208CP
IC9	8-759-925-90	s	IC SN74HC74ANS
IC10	8-759-063-10	s	IC 9800-IF372-V1.0

(IF-372 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC11	8-759-063-18	s	IC 27C512-RCP-V1.0
IC12	8-759-322-72	s	IC HM6264ALFP-10
IC14	8-759-938-68	s	IC CXD1095Q
IC15	8-759-925-74	s	IC SN74HC04ANS
IC16	8-759-234-67	s	IC TMP82C79M-2
IC17	1-466-254-11	s	CONVERTER UNIT, DC-DC
IC18	8-759-927-46	s	IC SN74HC00ANS
IC19	8-759-927-46	s	IC SN74HC00ANS
L2	1-410-948-11	s	INDUCTOR 100uH
Q1	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q2	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q3	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R3	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R4	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R5	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R6	1-216-683-11	s	METAL, CHIP 22K 0.5% 1/10W
R7	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R8	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R9	1-216-683-11	s	METAL, CHIP 22K 0.5% 1/10W
R10	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R11	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R12	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R13	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R14	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R15	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R16	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R17	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R18	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R19	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R20	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R21	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R22	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R23	1-216-691-11	s	METAL, CHIP 47K 0.5% 1/10W
R24	1-216-699-11	s	METAL, CHIP 100K 0.5% 1/10W
R25	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R26	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R28	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R29	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R31	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R32	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R33	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R34	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R35	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R36	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R37	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R38	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R39	1-216-295-00	s	METAL, CHIP 0-OHM
R40	1-216-699-11	s	METAL, CHIP 100K 0.5% 1/10W
R42	1-216-683-11	s	METAL, CHIP 22K 0.5% 1/10W
R43	1-216-691-11	s	METAL, CHIP 47K 0.5% 1/10W
R44	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R45	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R46	1-216-607-11	s	METAL, CHIP 15 0.50% 1/10W
R47	1-216-669-11	s	METAL, CHIP 5.6K 0.5% 1/10W
R48	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

(IF-372 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R49	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R50	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
S1	1-554-371-51	s	SWITCH, TACTILE
S2	1-571-967-11	s	SWITCH, DIP (PIANO TYPE)
X1	1-579-594-11	s	CRYSTAL 19.6608000MHz

SW-527 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8271-399-A	o	MOUNTED CIRCUIT BOARD, SW-527
1pc	3-178-300-01	o	REINFORCEMENT (A), VR
1pc	3-178-301-01	o	REINFORCEMENT (B), VR
7pcs	1-565-430-11	s	SOCKET, SIL 10P
4pcs	7-682-545-04	s	SCREW +B 3X4
7pcs	1-565-430-11	s	SOCKET, SIL 10P
4pcs	2-280-622-51	o	SUPPORT (M3), HEXAGON
6pcs	2-141-017-01	s	KNOB, RV
6pcs	7-621-734-09	s	SET-SCT,HEX. 2.6X3
C1	1-127-530-11	s	ELECT SOLID 22uF 20% 20V
C2	1-127-530-11	s	ELECT SOLID 22uF 20% 20V
C3	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C4	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C5	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C8	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C10	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C11	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-580-340-21	o	CONNECTOR, 80P, MALE
CN2	1-506-469-11	o	CONNECTOR, 4P, MALE
CN3	1-506-471-11	o	CONNECTOR, 6P, MALE
CN4	1-580-533-11	s	CONNECTOR, 8P, MALE
D1	8-719-400-18	s	DIODE MA152WK
D2	8-719-400-18	s	DIODE MA152WK
D3	8-719-400-18	s	DIODE MA152WK
D4	8-719-400-18	s	DIODE MA152WK
D5	8-719-400-18	s	DIODE MA152WK
D7	8-719-400-18	s	DIODE MA152WK
D8	8-719-400-18	s	DIODE MA152WK
D9	8-719-400-18	s	DIODE MA152WK
D10	8-719-400-18	s	DIODE MA152WK
D11	8-719-400-18	s	DIODE MA152WK
D12	8-719-400-18	s	DIODE MA152WK
D13	8-719-400-18	s	DIODE MA152WK
D14	8-719-400-18	s	DIODE MA152WK
D15	8-719-400-18	s	DIODE MA152WK
D16	8-719-400-18	s	DIODE MA152WK
D17	8-719-400-18	s	DIODE MA152WK
D18	8-719-400-18	s	DIODE MA152WK
D19	8-719-400-18	s	DIODE MA152WK
D20	8-719-400-18	s	DIODE MA152WK
D21	8-719-400-18	s	DIODE MA152WK
D22	8-719-400-18	s	DIODE MA152WK
D23	8-719-800-56	s	DIODE TLUR164
D24	8-719-938-68	s	GL-3HY8
D25	8-719-400-18	s	DIODE MA152WK
D26	8-719-400-18	s	DIODE MA152WK
D27	8-719-948-06	s	DIODE LB-202ML
D28	8-719-948-06	s	DIODE LB-202ML
D29	8-719-948-06	s	DIODE LB-202ML
D30	8-719-948-06	s	DIODE LB-202ML
D31	8-719-939-53	s	DIODE LB-203ML
D32	8-719-948-06	s	DIODE LB-202ML
IC1	8-795-926-80	s	IC SN74HC573BNS
IC2	8-795-926-80	s	IC SN74HC573BNS

(SW-527 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC3	8-795-926-80	s	IC SN74HC573BNS
IC4	8-795-926-80	s	IC SN74HC573BNS
IC5	8-795-926-80	s	IC SN74HC573BNS
IC6	8-795-926-80	s	IC SN74HC573BNS
IC7	8-759-926-11	s	IC SN74HC138ANS
IC8	8-759-207-31	s	IC TC74HC4028F
IC9	8-759-207-31	s	IC TC74HC4028F
IC11	8-759-925-74	s	IC SN74HC04ANS
L1	1-408-417-00	s	INDUCTOR 47uH
L2	1-408-417-00	s	INDUCTOR 47uH
L3	1-408-417-00	s	INDUCTOR 47uH
Q1	8-729-920-34	s	TRANSISTOR DTC143XK
Q2	8-729-920-34	s	TRANSISTOR DTC143XK
Q3	8-729-920-34	s	TRANSISTOR DTC143XK
Q4	8-729-920-34	s	TRANSISTOR DTC143XK
Q5	8-729-920-34	s	TRANSISTOR DTC143XK
Q6	8-729-920-34	s	TRANSISTOR DTC143XK
Q7	8-729-920-34	s	TRANSISTOR DTC143XK
Q8	8-729-920-34	s	TRANSISTOR DTC143XK
Q9	8-729-920-34	s	TRANSISTOR DTC143XK
Q10	8-729-920-34	s	TRANSISTOR DTC143XK
Q11	8-729-920-34	s	TRANSISTOR DTC143XK
Q12	8-729-920-34	s	TRANSISTOR DTC143XK
Q13	8-729-920-34	s	TRANSISTOR DTC143XK
Q14	8-729-920-34	s	TRANSISTOR DTC143XK
Q15	8-729-920-34	s	TRANSISTOR DTC143XK
Q16	8-729-920-34	s	TRANSISTOR DTC143XK
Q17	8-729-920-34	s	TRANSISTOR DTC143XK
Q18	8-729-920-34	s	TRANSISTOR DTC143XK
Q19	8-729-920-34	s	TRANSISTOR DTC143XK
Q20	8-729-920-34	s	TRANSISTOR DTC143XK
Q21	8-729-920-34	s	TRANSISTOR DTC143XK
Q22	8-729-920-34	s	TRANSISTOR DTC143XK
Q23	8-729-920-34	s	TRANSISTOR DTC143XK
Q24	8-729-920-34	s	TRANSISTOR DTC143XK
Q25	8-729-920-34	s	TRANSISTOR DTC143XK
Q26	8-729-920-34	s	TRANSISTOR DTC143XK
Q27	8-729-920-34	s	TRANSISTOR DTC143XK
Q28	8-729-920-34	s	TRANSISTOR DTC143XK
Q29	8-729-920-34	s	TRANSISTOR DTC143XK
Q30	8-729-920-34	s	TRANSISTOR DTC143XK
Q31	8-729-920-34	s	TRANSISTOR DTC143XK
Q32	8-729-920-34	s	TRANSISTOR DTC143XK
Q33	8-729-920-34	s	TRANSISTOR DTC143XK
Q34	8-729-920-34	s	TRANSISTOR DTC143XK
Q35	8-729-920-34	s	TRANSISTOR DTC143XK
Q36	8-729-920-34	s	TRANSISTOR DTC143XK
Q37	8-729-920-34	s	TRANSISTOR DTC143XK
Q38	8-729-920-34	s	TRANSISTOR DTC143XK
Q39	8-729-920-34	s	TRANSISTOR DTC143XK
Q40	8-729-920-34	s	TRANSISTOR DTC143XK
Q41	8-729-920-34	s	TRANSISTOR DTC143XK
Q42	8-729-920-34	s	TRANSISTOR DTC143XK
Q43	8-729-920-34	s	TRANSISTOR DTC143XK
Q44	8-729-920-34	s	TRANSISTOR DTC143XK
Q45	8-729-920-34	s	TRANSISTOR DTC143XK
Q46	8-729-920-34	s	TRANSISTOR DTC143XK
Q47	8-729-920-34	s	TRANSISTOR DTC143XK

(SW-527 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q48	8-729-920-34	s	TRANSISTOR DTC143XK
Q50	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q51	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q52	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q53	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q54	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q55	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q56	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q57	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q58	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q59	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q60	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q61	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q62	8-729-906-45	s	TRANSISTOR DTA143XK
Q63	8-729-906-45	s	TRANSISTOR DTA143XK
Q64	8-729-906-45	s	TRANSISTOR DTA143XK
Q65	8-729-906-45	s	TRANSISTOR DTA143XK
Q66	8-729-906-45	s	TRANSISTOR DTA143XK
Q67	8-729-906-45	s	TRANSISTOR DTA143XK
Q68	8-729-906-45	s	TRANSISTOR DTA143XK
Q69	8-729-906-45	s	TRANSISTOR DTA143XK
R1	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R2	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R3	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R4	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R5	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R6	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R7	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R8	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R9	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R10	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R11	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R12	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R13	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R14	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R15	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R16	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R17	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R18	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R19	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R20	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R21	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R22	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R23	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R24	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R25	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R26	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R27	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R28	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R29	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R30	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R31	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R32	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R33	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R34	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R35	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R36	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R37	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W

(SW-527 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R38	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R39	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R40	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R41	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R42	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R43	1-216-641-11	s	METAL, CHIP 390 0.5% 1/10W
R44	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R45	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R46	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R47	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R48	1-216-631-11	s	METAL, CHIP 150 0.5% 1/10W
R53	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R54	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R55	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R56	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R57	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R58	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R59	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R60	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R61	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R62	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R63	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R64	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R65	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R66	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R67	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R68	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R69	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R70	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R71	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R72	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R73	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R74	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
RV1	1-224-981-21	s	RES, VAR, METAL 5K
RV2	1-230-138-00	s	RES, VAR, CARBON 5K
RV3	1-230-138-00	s	RES, VAR, CARBON 5K
RV4	1-230-138-00	s	RES, VAR, CARBON 5K
RV5	1-230-138-00	s	RES, VAR, CARBON 5K
RV6	1-230-138-00	s	RES, VAR, CARBON 5K
RV7	1-230-138-00	s	RES, VAR, CARBON 5K
RV8	1-230-138-00	s	RES, VAR, CARBON 5K
RV9	1-238-292-11	s	RES, VAR, CARBON 5K
RV10	1-238-292-11	s	RES, VAR, CARBON 5K
RV11	1-238-292-11	s	RES, VAR, CARBON 5K
RV12	1-238-292-11	s	RES, VAR, CARBON 5K
RV13	1-238-292-11	s	RES, VAR, CARBON 5K
RV14	1-238-292-11	s	RES, VAR, CARBON 5K
RV15	1-237-955-11	s	RES, VAR, CARBON 10K
S1	1-570-221-11	s	SWITCH, PUSH
S2	1-570-210-11	s	SWITCH, PUSH
S3	1-554-048-00	s	SWITCH WITH LED, PUSH
S4	1-554-048-00	s	SWITCH WITH LED, PUSH
S5	1-554-048-00	s	SWITCH WITH LED, PUSH
S6	1-554-048-00	s	SWITCH WITH LED, PUSH
S7	1-554-048-00	s	SWITCH WITH LED, PUSH
S8	1-570-207-11	s	SWITCH, PUSH
S9	1-554-043-41	s	SWITCH, PUSH
S10	1-570-207-21	s	SWITCH, PUSH

(SW-527 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
S11	1-570-207-31	s	SWITCH, PUSH
S12	1-570-207-51	s	SWITCH, PUSH
S13	1-570-209-11	s	SWITCH, PUSH
S14	1-570-207-11	s	SWITCH, PUSH
S15	1-570-207-21	s	SWITCH, PUSH
S16	1-570-207-31	s	SWITCH, PUSH
S17	1-570-207-51	s	SWITCH, PUSH
S18	1-570-206-11	s	SWITCH, PUSH
S19	1-570-206-21	s	SWITCH, PUSH
S20	1-570-206-31	s	SWITCH, PUSH
S21	1-570-206-41	s	SWITCH, PUSH
S22	1-570-206-91	s	SWITCH, PUSH
S23	1-570-207-41	s	SWITCH, PUSH
S24	1-570-207-41	s	SWITCH, PUSH
S25	1-570-206-91	s	SWITCH, PUSH
S26	1-570-207-41	s	SWITCH, PUSH
S27	1-570-207-41	s	SWITCH, PUSH
S28	1-570-206-91	s	SWITCH, PUSH
S29	1-570-207-41	s	SWITCH, PUSH
S30	1-570-207-41	s	SWITCH, PUSH
S31	1-554-048-00	s	SWITCH WITH LED, PUSH
S32	1-570-208-11	s	SWITCH, PUSH
S33	1-570-207-71	s	SWITCH, PUSH
S34	1-570-207-81	s	SWITCH, PUSH
S35	1-570-207-91	s	SWITCH, PUSH
S36	1-554-048-00	s	SWITCH WITH LED, PUSH
S37	1-554-048-00	s	SWITCH WITH LED, PUSH
S38	1-554-048-00	s	SWITCH WITH LED, PUSH
S39	1-570-208-61	s	SWITCH, PUSH
S40	1-570-208-61	s	SWITCH, PUSH
S41	1-570-208-61	s	SWITCH, PUSH
S42	1-570-211-11	s	SWITCH, PUSH
S43	1-554-048-00	s	SWITCH WITH LED, PUSH
S44	1-554-048-00	s	SWITCH WITH LED, PUSH
S45	1-554-048-00	s	SWITCH WITH LED, PUSH
S46	1-570-210-11	s	SWITCH, PUSH

SW-536 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-642-665-11	o	PRINTED CIRCUIT BOARD, SW-536
CN1	1-580-533-11	s	CONNECTOR, 8P, MALE
RV1	1-224-981-21	s	RES, VAR, METAL 5K
RV2	1-224-981-21	s	RES, VAR, METAL 5K
S1	1-554-041-11	s	SWITCH WITH LED, TACTILE

FRAME

Ref. No. or Q'ty	Part No.	SP	Description
CN1F(to SW-536 board)			
	1-580-580-11	o	HOUSING, 8P
	1-580-599-11	o	CONTACT, FEMALE AWG22-30
CN1F(to IF-372 board)			
	1-569-201-11	o	HOUSING, 8P
	1-569-192-11	o	CONTACT, FEMALE AWG22-30
CN2F(to IF-372 board)			
	1-580-582-11	o	HOUSING, 12P
	1-573-176-11	s	CONTAC, FEMALE AWG22-30
	1-580-599-11	o	CONTACT, FEMALE AWG22-30
CN2F(to SW-527 board)			
	1-569-197-11	o	PLUG HOUSING, 4P
	1-569-192-11	o	CONTACT, FEMALE AWG22-30
CN3F(to SW-527 board)			
	1-562-151-11	o	HOUSING, 6P
	1-563-088-11	o	CONTACT, FEMALE, AWG24-30
CN4F(to SW-527 board)			
	1-580-580-11	o	HOUSING, 8P
	1-580-599-11	o	CONTACT, FEMALE AWG22-30
CN101	1-562-335-00	s	CONNECTOR, 12P MALE "REMOTE"
CN201	1-564-968-11	s	CONNECTOR, 16P FEMALE "CCU"
CN301	1-561-795-00	s	SOCKET 6P, FEMALE "PREVIEW"
(SUPPLIED ACCESSORY)			
RV1	1-224-981-31	s	RES, VAR, METAL 5K "IRIS"
RV2	1-230-817-11	s	RES, VAR, CARBON 5K "MASTER BLACK"
S1	1-570-504-11	s	SWITCH, MICRO "PREVIEW"

PACKING MATERIALS & SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8262-509-A	o	PANEL (J) ASSY
1pc	1-558-056-21	s	CABLE MULTI 16P 10m
1pc	1-560-691-11	s	PLUG 6P, MALE
1pc	1-574-495-41	s	CABLE ASSY 12P (8 CORE) 10m
1pc	2-355-375-11	o	PLATE, NUMBER

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